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Jean-François Paquin,  
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Fillab Inc.

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Director,  
Quality Assurance & Control

## THE FINEST COUNTDOWN

Pharma co-packer forges ahead with new tablet bottling line to keep pace with buoyant volume growth

*Story on page 16*



# 2016

## PACKAGING MACHINERY SPECIFICATIONS MANUAL

PAGES 33-78





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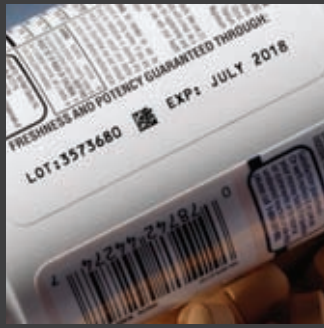
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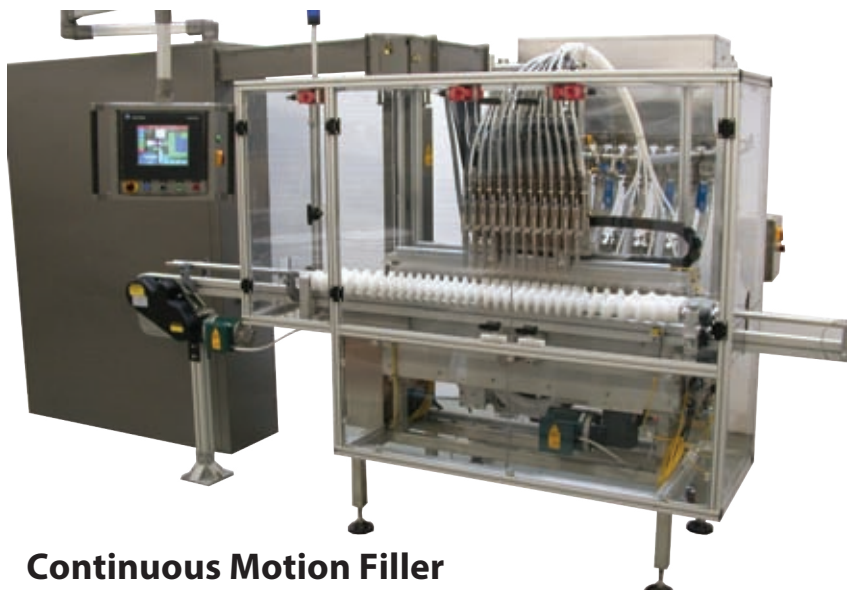


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**LEADING BY EXAMPLE TO MOVE FORWARD**

There is nothing wrong with aiming high, but if the Ontario government really wants to reach its ambitious goal of creating 120,000 new jobs in the province's agri-food sector by 2020, it desperately needs more companies like **TWI Foods Inc.** to get there.

Founded in 1997, the privately-owned specialty baker is a *bona fide* poster child for the entrepreneurial drive and spirit that many newcomers to Canada have used over the years to establish thriving business enterprises and, subsequently, make meaningful contributions to the province's continued prosperity.

Operating two modern commercial bakeries in the GTA (Greater Toronto Area) region, the company makes a staggering array of South Asian-style flatbreads, cake-rusks, cookies, tea toast, pound cakes and other high-quality baked goods that have long moved out of their one-time niche ethnic food-store aisles into the mainstream retail landscape.

Even more impressively, the company has established a strong presence in some uniquely diverse export markets—including the U.K., the U.S., Australia, U.A.E., Germany and Singapore—with exports now accounting for 68 per cent of its annual sales.

Fittingly, the hardworking company was recognized for its achievement last month by receiving the top **Ontario Food Exporter Award** from the Ontario minister of agriculture, food and rural affairs Jeff Leal at a special ceremony marking exporting prowess of the province's leading food producers.

"Ontario has a worldwide reputation for good quality, delicious foods, and companies [like TWI Foods] are continuing to strengthen that reputation through expansion of Ontario's food exports to new

international markets," Leal said.

As subject of a recent cover story of the *Canadian Packaging* magazine's October 2015 issue, TWI Foods undoubtedly deserves all the kudos and praise lavished its way—having paved its own road to success through good old hard work, sound investment in top-notch packaging machinery, and remarkable self-belief and perseverance in the face of economic adversity and other obstacles that many business startups owned by Canadian newcomers often face along the way.

"We are pleased to get the award and are very proud of the success we have achieved," says TWI Foods president Ali Kizilbash. "This award is a valuable recognition of the determination and hard work of each of our employees to meet our customers' expectations, and to grow and expand the company."

There is a lot riding for Ontario on continued success of companies like TWI Foods, but whether that's enough to create 120,000 new jobs in the next five years seems highly debatable.

Most of the capital investment made by companies like TWI to purchase new technologies is intended to make their operations more productive by reducing reliance on manual shop-floor labor through greater automation, not to boost their payrolls.

Hence, such spectacular job creation seems to be grounded more in wishful thinking than realistic statistical analysis unless the government engages in some real outside-the-box thinking on how to encourage creation of more companies like TWI Foods—be it through more generous startup incentives and easier access to capital, or through faster approval for commercializing whole new product categories (cannabis cookies anyone?) altogether.

Whatever the risks, they cannot be worse than the risk of doing nothing at all. 🍁

★ **COVER STORY**

**16 COUNTING ON GROWTH** by George Guidoni

Pharmaceutical co-packer preps for anticipated surge in volume growth with installation of a state-of-the-art, made-in-Canada tablet bottling line.

Cover photography by Pierre Longtin



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**33** Page-by-page guide to using this one-of-a-kind industry manual.





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## PAC STARTS OFF 2016 ON A HIGH WINNING NOTE

There's nothing like starting off the new year on a winning note, and there was plenty of winning spirit to go around at last month's **2016 Global Leadership Awards Competition** gala in Bonita Springs, Fla.

Jointly produced by the Toronto-headquartered **PAC, Packaging Consortium** and the U.S.-based **ST Media Group**, the well-attended event was a fitting climax to the extensive, year-long online judging process that evaluated a total of 129 entries, submitted from 39 companies based in six different countries.

"Our firstAwards Gala held outside of Canada was extremely well received by the international audience," PAC president and chief executive officer Jim Downham told the *Canadian Packaging* magazine.

"I'm certain that we have the potential to make the PAC Global Leadership Awards truly global," says Downham, citing overwhelmingly positive feedback from participants and gala attendees.

"We are very pleased to have received entries from six countries, including several luxury brand submissions from the U.K, and this was also the first time that we received spirits brand submissions in the brand marketing categories," adds Downham.

"All in all, the detail and the quality of submitted packaging was extraordinary."

In fact, it was one of the spirit brands that picked up one of the competition's two **Best of Show** prizes, with the **Grant's Elementary Range** brand of whisky (see above) from **William Grant & Sons** taking the **PAC Packaging Award**.

For its part, the cleverly-designed **goodtimes** pack of disposable plastic spoons (see below) from **Goodtimes Brand Inc.**—designed by the Mississauga, Ont.-based branding services provider **Bridgemark**—scooped up the competition's **Package Design Award**.

For full display of all the competition winners, please go to:

<http://pac.ca/2016-1-winners.html>



PAC president Jim Downham (left) presenting the PAC Packaging Award to Ronald deVlam of Webb deVlam, which designed the Grant's Elementary Range whisky packaging.



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## CONDIMENTS PRODUCER MAKING BIG PROMISES IT FULLY INTENDS TO KEEP

If helping local communities grow and prosper is a hallmark of good corporate citizenship, then **French's Food Company** is sure to hold in the good graces of many Canadian farmers in coming years, following the company's recent public pledge to use exclusively Canadian-grown tomatoes and mustard seeds to produce its branded ketchup and mustard products for the Canadian market.

Since the start of the new year, the venerable condiments producer has been rolling out the company's new branded **Promise Seal** labeling on bottles of **French's Tomato Ketchup**—launched across Canada last year—as well as on its just-launched trio of brand new SKUs (stock-keeping units) that includes:

- **French's Buffalo Ketchup.** Packaged in 750-ml inverted plastic bottles, the ketchup is infused with the popular **Frank's RedHot** brand flavoring for an extra-spicy kick.
- **French's Garlic Ketchup.** Also retailing in the 750-ml upside-down containers, the flavor combines the classic smooth ketchup profile with a sophisticated garlic twist.

While both new flavors go great with the traditional fare like burgers and fries, “They also provide an exciting flavor boost to slow-cooker chicken, meatloaf and pasta,” according to the company.

- **French's Super Yellow Mustard.** packaged in

plastic 325-ml squeeze bottles, the new formulation is a lively update on the bestselling **French's Classic Yellow Mustard**, enhanced with “an extra kick of #1 Grade mustard seeds and more turmeric spice, both popular with today's health-conscious consumers.”

Aside from being a tasty sandwich spread, “It is also great as an ingredient in a mustard vinaigrette salad dressing,” says French's.

According to the Chester, N.J.-headquartered company, which operates its Canadian business out of Mississauga, Ont., the **Promise Seal** symbol was developed specifically to reassure Canadian consumers of “great taste, real, local ingredients, and true commitment to our communities.”

Says company president Elliott Penner: “This promise is not a one-off: It's a reflection of how we run our business every day

“Delivering on this promise has been a challenge,” Penner acknowledges. “In an era when so many companies are forced to cut costs by cutting corners, our model is to ask, ‘What can we do better?’

“We're not perfect, but taking this path forward is an achievement that makes us all very proud at French's,” Penner states.

The inclusion of the **Promise Seal** symbol also coincides with the company's ongoing rollout of the so-called ‘clean label’ packaging, based on the premise that a product label should only contain the essential ingredient information that the vast majority of consumers readily understand.

To that end, French's spent a good part of last year refining its product recipes to the point where more than 90-per cent of all the products it sells today include only real ingredients without any artificial flavors, colorants, dyes or HFCS (high-fructose corn syrup).

In addition to the **Promise Seal**, the new ketchup labeling also keenly plays the company's community spirit by drawing attention to its **1 Bottle = 1 Meal** campaign, launched last year, whereby for every bottle of **French's** brand ketchup sold in Canada, the company will donate a full meal to a hungry family.

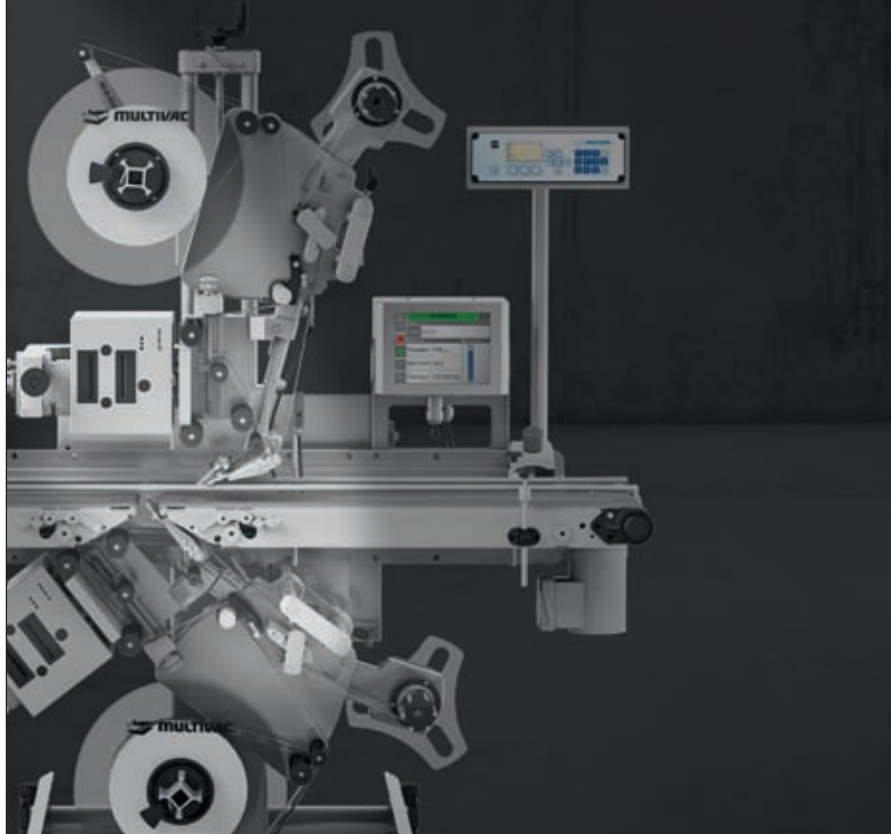
“Credit to our employees for this amplification of our values,” says Penner. “They want to work for a company that not only uses ingredients they are proud to serve their family and friends, but also a company that thrives to make a positive impact on their communities.

“Great taste, real, local ingredients, and true commitment to our communities—that's what this is all about.”



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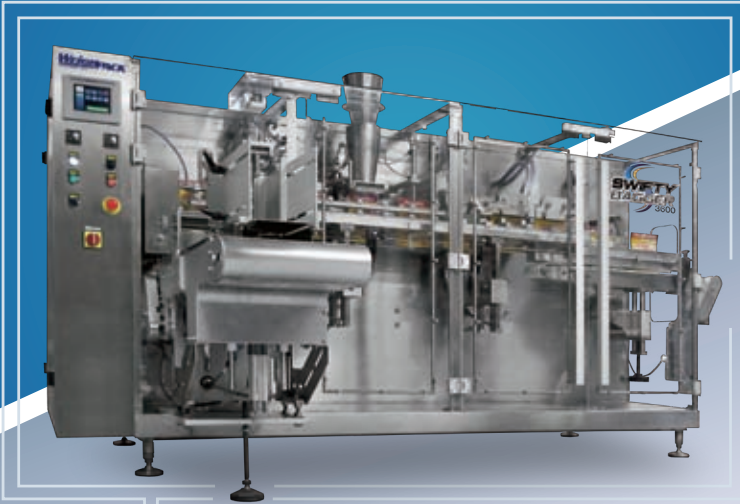


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# BOXXER

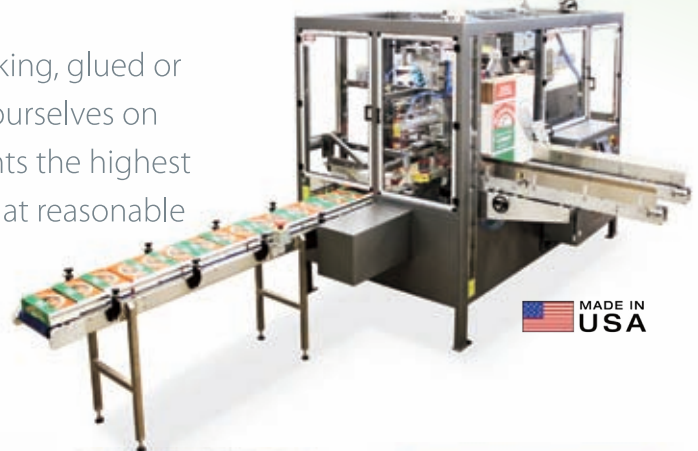
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## HITTING THE BOTTLE

Beverage production line equipment manufacturer **Krones AG** has significantly enhanced the powerful capabilities of its innovative *DecoType*



direct printing system for decorating plastic containers to make it commercially feasible for industrial applications involving either plastic and/or glass, according to the company. Developed as an alternative to decorating beverage containers with labels—thereby eliminating the need for labeling materials while allowing for far greater design flexibility—the system can now employ a semi-automatic feeding system that can direct containers into as many as 21 stations, which can all print different designs on four types of bottles simultaneously to decorate up to 120 containers per hour, with capabilities to process up to 12,000 containers per hour in a fully-automatic mode.

**Krones, Inc.**

401

## LASER SPEEDS

Designed to achieve super-high throughput speeds of over 70,000 bottles per hour on high-speed bottling lines, for example, the new *Linx SLHP (scribing laser high performance)* model laser coder from **Linx Printing Technologies Ltd** features a powerful 120 W laser to ensure minimal dwell time and the



risk of outside interference during the coding process, with capability to produce complicated product codes such as the two-dimensional (2D) codes often used in the pharmaceutical industry. Well-suited for use across a broad range of glass, rubber, painted, printed and other materials requiring highly legible, permanent product codes for security, traceability and other requirements, the versatile coder can generate codes containing a wide variety of information such as date, time, production details, legislative text, barcodes and logos in both static and moving applications. According to the company, the user-friendly coder offers a highly adaptable choice for applications ranging from soft-drink and wine-and-spirits to cosmetics and perfumes, pharmaceuticals, automotive, electronics, building products and for most cabling.

**Linx Printing Technologies Ltd**

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## GO WITH THE FLOW

Designed and engineered to accommodate modern-day and future requirements for handling smaller batches and more frequent product changeovers on busy packaging and production lines across a broad range of industries, the new *VarioFlow plus* chain conveyor from **Bosch Rexroth** is a highly flexible, low-noise system that easily enables users to configure individual space-saving, application-specific solutions to handle versatile and complex product transfer applications with minimal downtime, according to the company. Available



with several standardized modules covering different application requirements, the *VarioFlow plus* chain conveyor system consists of components that can be used universally for all system widths—including the new track width of 120-mm—with the system's optimized sliding characteristics and adjustable slide rails with lateral mounting helping to enable smooth,

low-noise operation for a vastly improved working environment. Offered in six sizes and two material options, the system can be further optimized with the use of Rexroth's *MTpro* planning software with *Layout Designer* functionality for configuring the more complex multi-conveyor and workstation systems.

**Bosch Rexroth Canada**

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## THINK INK

Designed for demanding thermal-transfer overprinting (TTO) applications on the *V-Series* TTO printers from **Domino Printing Sciences**, the new *ADVANCED*



*Ribbon (AR)* grade is said to combine the best characteristics of traditional wax-resin and resin ribbons to generate optimal print quality and legibility at high speeds across a wide range of substrates and applications, according to the company. Also including the new *Ultra White (UW)* option for printing more opaque codes onto dark substrates, the *AR* grade was specifically formulated to deliver superior print adhesion—improving rub and scratch resistance by more than 30 per cent compared to generic ribbon—while requiring far less energy to transfer the ink layer, thereby ensuring longer printhead service life.

**Domino Printing Sciences**

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## GOOD VIBRATIONS

Designed for high-speed filling of rigid containers for a variety of markets, the new stainless-steel *Rotary Filler* from **Spee-Dee Packaging Machinery, Inc.** features a streamlined, compact-footprint base for easier machine access, and two independent vibration rails to aid in the filling process by vibrating passing containers to settle the filled product. Equipped with a servo-driven timing screw connected to the augers to control filling rates, the new filler



## APPOINTMENT.



### Tino Knoll named General Manager & Head of Sales Canada of Krones Machinery Co. Ltd - Canada

Tino Knoll has been named General Manager & Head of Sales Canada of Krones Machinery Co. Ltd – Canada, a subsidiary of Krones AG

With more than 15 years of experience in the filling and packaging industry, Tino has held several positions within Krones, a Germany-based company.

Tino started his career with KRONES in 1995 as a trainee in Industrial Business Management. In 2005, after graduating from the University of Applied Sciences Landshut with a degree in Industrial Engineering, he joined the Latin American Sales Team as a Project Manager. Following the position as Area Sales Manager (2009), he was promoted Head of Sales Latin America Northern Part in 2014. Further to his professional duties, he graduated with an MBA in 2015.



## FlexLink expands Canadian Sales



FlexLink is pleased to announce that Mr. Jean-Yves Bélisle will be joining FlexLink Canada in the position of Sales - Quebec. Jean-Yves comes from Acklands-Grainger in Montreal where he was a Senior Account Manager. During his time at Acklands-Grainger, Jean-Yves was a star performer and an excellent liaison for his customers.

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employs patented magnetic funnels with no fasteners or other catch-points in the filling areas for optimal machine uptime, along with quick-change adapters that easily attach to magnetic funnels to accommodate different container sizes.

**Spee-Dee Packaging Machinery, Inc.** 405

**TERMINAL CONDITION**

Designed specifically to withstand the harsh environmental conditions of the food and beverage production plants, the new **MPA-C** valve terminal from **Festo Inc.** provides superior durability and cleanability with innovative space-saving and performance-enhancing capabilities that enable it to excel in environments requiring regular intensive cleaning to satisfy stringent sanitary requirements, according to the company. Made of **FDA**-compliant materials and boasting a redundant seal system, the **MPA-C** meets the requirements for protection class **IP69K** and **CRC4** for high corrosion resistance to ensure consistent, problem-free cleaning requiring the use of high-pressure jets or strong cleaning foams, while its short tubing lengths allow it to be located virtually anywhere along the machine. Moreover, the **MPA-C** can serve as a centralized or decentralized



control system—eliminating the need for a control cabinet—with its modular, expandable design allowing users to incorporate an electrical interface on either the front or the back side.

**Festo Inc.** 406

**PICK OF THE CROP**

Developed to ensure enhanced performance of machine vision-based, pick-and-place applications on high-speed packaging lines, the new **MotoPick** software from **Yaskawa Motoman** can synchronize multiple vision-equipped robots to pick fast-moving product off a conveyor and place it on an outfeed device, tray or box in an organized arrangement in a broad variety of design configurations of up to 10 robots and 11 conveyors, according to the company. Developed to provide precise control and co-ordination of infeed and outfeed conveyors—whereby the speed of the opposite conveyor can be automatically decreased and even stopped in the event of the infeed or outfeed conveyor falls behind—the **MotoPick** software can work with multiple types and sizes of cameras based on conveyor width, workpiece size, target accuracy, production volume and conveyor speed.



**Yaskawa Motoman** 407

**COMPACT LOGIC**

The new compact model **CP1L-E** programmable logic controller (PLC) from **Omron Automation and Safety** features embedded Ethernet for seamless connection to the Internet for providing remote access, monitoring and data logging capabilities that can help reduce the end-users' technical support costs, while also generating provide diagnostic response for minimal equipment downtime. The robust PLC allows OEMs (original equipment manufacturers) to adopt whatever networking protocol their application requires—including UDP, TCP, Modbus TCP and the Omron FINS Ethernet protocols—by facilitating a simple connection to other Omron PLCs and HMIs (human-machine interfaces). Currently available in three Ethernet-enabled versions offering 20, 30 or 40 I/O (input/output) points, the unit can be expanded with modules to add two additional inputs and outputs up to a total of 160 I/O points, with expansion capability including options for digital and analog I/O, temperature inputs, and serial interface boards.



**Omron Automation and Safety** 408

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■ Collaboratively produced by the **Royal Canadian Mint**, Bowling Green, Ohio-based **NovaVision Inc.** and Santa Cruz, Ca.-based **Pacific Holographics Inc.**, the **2015 Fine Silver Hologram Coin**—featuring Lustrous Maple Leafs embedded into one of the coin faces—was selected as the winner in the Best Decorative/Packaging Hologram category of the recently-held **Holography Awards 2015** competition of the **International Hologram Manufacturers Association**



(IHMA) in Shanghai, China. According to the mint, the use of leading-edge technology on the extra-large, 65-mm-diameter, five-ounce pure silver coin—the first-ever Canadian coin of this size to feature a holographic image—produces a striking visual effect, whereby tilting the coin “appears to change the color of two holographic maple leafs from green to red as they reflect the golden hues of sunlight.” As an extra bit of Canadian content displayed at the global

competition, U.K.-based **Optaglio Ltd** was also cited for its work on the mint’s **\$20 Fine Silver Coin** commemorating the 25th anniversary of the **Canadian Space Agency (CSA)**.

■ Diversified consumer packaging products group **Sonoco** has officially unveiled its new state-of-the-art R&D (research-and-development) center at the company’s international headquarters in Hartsville, S.C. Representing a US\$12-million investment, the new **iPS (Innovative Packaging Solutions) Studio** was designed “to connect consumer and market insights to the invention of new packaging solutions all under



one roof,” according to the company. Featuring expansive “consumer interaction spaces” to enable live, direct observation of consumers interacting with products and packaging in retail, kitchen, living and bathroom environments, the studio also houses collaborative spaces where experts can interact with the latest technologies to turn ideas into packaging concepts; technology for the development of structural design and manufacturing options that access potential for commercialization; a pilot plant to test manufacturing performance; state-of-art printing capabilities; and rapid prototyping labs that aid in developing engineered prototypes that can then be tested in real world simulation spaces. Created on the premise that “sometimes where you think inspires what you think,” according to Sonoco, the studio will leverage the company’s **i6 Innovation Process** approach to package design with its vast expertise in testing and material science to create what it calls “a 360-degree customized packaging solution to our customers.”

■ **Bosch Rexroth Canada Corp.**, Burlington, Ont.-based subsidiary of German industrial automation technologies and services group **Bosch Rexroth AG**, has obtained the international **ISO 9001** standard certification for quality management, the **ISO 14001** standard certification for environmental management, and the **OHSAS 18001** occupational health and safety certification for all of the company’s nine Canadian-based operations, including locations in Burlington and Welland, Ont., Edmonton, Saskatoon, Sask., Burnaby, B.C., Dartmouth, N.S., Fredericton, N.B., and Longueuil and Saguenay, Que. “We are committed to providing the industry with superior products and services,” says Bosch Rexroth Canada’s marketing manager David Lopes. “To ensure that they reach our customers in the fastest and most reliable way, we constantly verify and review all our management systems, thereby ensuring consistency and the use of best practices.”

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# PULP NONFICTION

Asia's global pulp and paper giant embracing its green transformation

BY JAAN KOEL

Complaining about the environment and climate change is always far easier than doing something meaningful about it, but as one of the world's largest pulp and paper producers is finding out, hard work has plenty of its own special rewards to make the effort worthwhile.

For the Indonesian-headquartered papermaking giant **Asia Pulp & Paper (APP)**, that effort began in earnest back in 2013, when company chairman and founder Teguh Ganda Wijaya publicly announced the launch of the company's far-reaching new **Forest Conservation Policy** initiative in downtown Jakarta—alongside the country's minister of forestry Zulkifli Hasan—in front of his family, friends, business associates, and a horde of journalists and many other interested onlookers from various leading environmental NGOs (nongovernmental organizations).

"That was definitely a powerful moment representing a huge turnaround for us," recalls Ian Lifshitz, global sustainability director at the company's **Asia Pulp & Paper Canada Ltd.** subsidiary in Brampton, Ont.

"The event marked the public announcement of a new beginning for the company," says Lifshitz, citing the notable presence of **Greenpeace** representatives at the ceremony.

"They were once our adversary, but they liked what they heard and they made it clear that they were open to becoming our ally."

While 'ally' may still be too strong a term for the time being, there is no question that environmental NGOs are starting to change their once-hostile views of APP operations, which employ 70,000 people worldwide to produce over 20,000 million tonnes of pulp, paper and paperboard product per year.

With annual turnover of over US\$21 billion, the company's traditional clearcutting practices in Indonesia have long been a lightning rod for the NGOs' criticism and fierce negative publicity campaigns.

Some of the company's controversial practices included the cutting of virgin forest on lands it had the right to harvest throughout Indonesia, where the clear-cut forests would be replaced with eucalyptus and acacia plantations to continue supplying feedstock to the company's numerous mills.

In addition, APP was also heavily criticized for the clearing of peatlands—large tracts of land covered with carbon-rich vegetation decay that provide a good growth environment for trees and other plants.

Because peatlands sequester enormous amounts of carbon-dioxide, clearing and drying them out releases huge volumes of stored GHG (greenhouse gas) into the atmosphere, according to APP critics, while also creating international fire hazards.

In fact, in September and October of 2015 the fire and smoke originating from Indonesian peatlands got so bad that schools in neighboring Singapore and Malaysia had to be temporarily shut down due to the intense smoke and haze polluting the atmosphere.

In addition to risks to health and property, these fires are undoubtedly heavy contributors to GHG emissions, APP acknowledges, but entirely blaming the local pulp and paper producers for the problem is



APP chairman and founder Teguh Ganda Wijaya (left) with Indonesia's minister of forestry Zulkifli Hasan announcing the official launch of the company's Forest Conservation Policy in Jakarta in 2013.

wide off the mark.

As Lifshitz point out, peatland fires are a hugely complex issue encompassing the rights of local communities, illegal activity by small enterprises, and fundamental legal complexities over land use rights, ownership and protection.

"The reality is that APP suppliers are only harvesting existing plantations," Lifshitz asserts.

"It would be nonsensical for them to clear pulpwood plantations using fire, as they need to sell the pulpwood for paper production and earn revenue."

Lifshitz says he is intensely proud of how quickly APP has turned the corner to become a true proponent of sustainability in the public eye by strictly adhering to its multiple *Forest Conservation Policy* pledges.

Most notably, the comprehensive document includes a "zero deforestation" commitment, a peatlands protection pledge, and requirements for obtaining prior and informed consent for shared land use among local community groups, mining operators, farmers and other key stakeholders.

To enhance its credibility, APP also formed an alliance with **The Forest Trust (TFT)** group to advise and measure its ongoing progress in sustainable forestry practices.

In August of 2013, APP also announced the end of natural forest wood entering any of its pulp mills, followed by a public pledge in April of 2015 to conserve one million hectares of rainforest in Indonesia.



## THE LEAN MACHINE

Started up in the early 1970s, **Asia Pulp & Paper's** Tjiwi Kimia mill is the company's biggest production plant in Indonesia, located about a one-hour flight east from Jakarta along Java.

At this location, the company produces short-fiber pulp from local forests and processes imported long-fiber pulp using the latest papermaking equipment, including this main paper machine (picture above) that was recently outfitted with an energy-efficient **Atlas** dryer. (inset)

The vast manufacturing site also operates a large number of offset rotogravure and flexographic printing presses, along with a multitude of high-performance converting and finishing equipment, to produce a broad range of high-end custom boxes and other packaging products.



“The approach we’re taking is to protect and restore,” Lifshitz explains.

“Most recently, we have implemented our Peatland Best Practices Management Plan and completed aerial mapping of around 4.5 million hectares of peatlands in and around APP’s suppliers’ concessions,” Lifshitz told *Canadian Packaging* during a recent APP-sponsored tour of the company’s forestry and manufacturing operations in Indonesia.

“APP is fully committed to supporting the communities in which it operates,” he relates, citing grassroots initiatives such as job creation for vegetable farmers, local electronic recycling programs, production of handicrafts made from plastic straps derived from mill wastes, subsidized catering services to provide lunches to APP workers, and other community-focused programs.

“It’s a way of giving back to the societies in which we work and do business,” Lifshitz notes, adding such initiatives have not only been acknowledged by the NGOs, but also by other integral stakeholders such as governments, customers, suppliers and industry competitors.

“I’m proud of our progress,” Lifshitz asserts. “Before we were lagging behind; nowadays others are following our lead.”

“These actions are good not only for the environment,” he explains, “but also for business.”

By protecting and preserving its forests, APP is in fact solidifying its feedstock requirements for the future by improving its harvesting and silvicultural practices to get the absolute most from its existing plantations.

For example, cutting plantation trees closer to the ground by seven to 11 centimeters than before helped to increase yield in leaps and bounds when measured over thousands of trees, according to APP.

This has been supplemented with an increase of fiber import volumes from other countries, but only for fiber that is sourced according to APP’s own standards and criteria—namely no old growth harvesting.

“We now import long-fiber pulp, which we need for strength for various products, from northern climate forests in Canada and Europe,” says Lifshitz. “But these days, the onus is on our suppliers to operate sustainably, if they wish to do business with us.”

Although APP is still in the early stages of its green transformation process, its rehabilitated public image is already benefiting the company’s business worldwide, according to the company.

“Customers and consumers alike want to know that the paper products and packaging they’re using are coming from a responsible source and are being manufactured in a responsible way,” says Lifshitz.

“So far, customers are taking notice and reconnecting with us, and we are pleased to work with customers who share the same environmental values we operate by,” Lifshitz states.

As head of APP’s Canadian business, David Chin relates that the company has gone from being a virtual unknown in Canada a few years ago to becoming a significant player in a number of packaging segments, including folding-carton board, pre-cut

sheets, clay-coated products, metalized and polycoated roll formats in different calipers, corrugated board and medium, custom boxes, and shelf displays.


“One key competitive strength we enjoy is that we can supply directly to Canadian suppliers from our mills in Asia without a third party, which cuts out the ‘middle man’ charges,” he says. “Another key strength is that we’re vertically oriented.”

“We have our own forests and run our own mills, which gives us a significant competitive advantage,” says Chin, citing the company’s commitment to high product quality and the availability of converting capabilities in Asia for North American customers.

“We have the same environmental forest conservation

policies here in Canada as elsewhere,” says Chin. “And we’re harmonizing them with similar ones being adopted by our leading end-use customers such as Unilever, McDonalds, P&G and many others.

“We see environmental certification for the way we operate, such as FSC, SFI, PEFC and others, as being very important to our business,” Chin concludes.

“But they’re not the end, just the beginning—a beginning to which we are committed to stand by and going well beyond.” 

*Jaan Koel is a Toronto-based freelance writer who recently took part in an APP-sponsored tour of the company’s Indonesian operations.*



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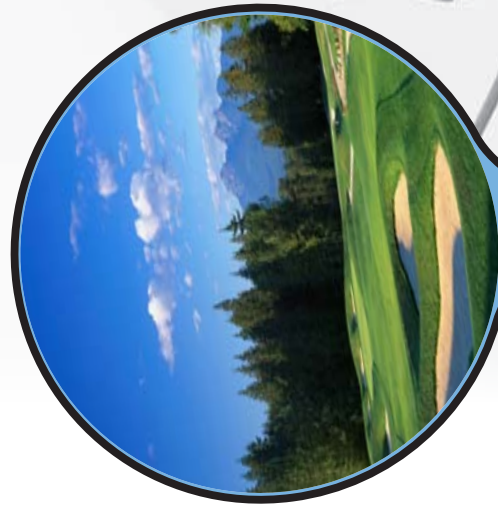
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# COUNTING ON GROWTH

Pharmaceutical co-packer sets sights on rapid future growth with proactive capital investment to boost its throughput capacity

BY GEORGE GUIDONI, EDITOR  
PHOTOS BY PIERRE LONGTIN

Contrary to popular belief, the global pharmaceutical industry is not immune to the ups and downs of economic cycles and recessionary downturns, with its heavy emphasis on research-and-development often stretching financial resources of many of the Big Pharma's leading global lights.

With an average drug development process taking 10 to 15 years and about a billion dollars or more before commercialization, vigilant cost containment is a necessary requirement for today's pharmaceutical and biotechnology companies—especially in light of intense pricing pressures brought about by fierce competition from generic drug-makers in recent years.

To save costs wherever they can, many leading pharma producers—as well as their generic competitors—are increasingly outsourcing their manufacturing and packaging functions to companies like the Montreal-based **Fillab Inc.**

## CORE VALUES

Operating out of a 20,000-square-foot production and storage facility in Montreal, the privately-owned company has been enabling many of its customers in the pharmaceutical and nutraceutical businesses to succeed with superior third-party manufacturing and co-packing services that let its clients concentrate on their core business of new product development.

“Our production output has doubled in the past five years, and we are aiming to double it again in the next two to three years,” says Fillab's director of operations Jean-François Paquin, explaining that the company, founded in 1988, had strategic-

The Fillab facility produces a highly diverse range of different pharmaceutical packaging formats, from blister-packs to liquid ampoules and sample-pack sachets.



Operations director Jean-Francois Paquin (left) and quality assurance and control director Adriana Malizia pose in front of the new Street Fighter tablet counting machine purchased by Fillab from Capmatic as part of a new turnkey bottling line installation at the company's Montreal facility.







The Street Fighter tablet counter can achieve throughput speeds of 100 bottles per minute for 100-tablet bottles.



Manufactured by the renowned Montreal-based packaging machine-builder Capmatic, the Street Fighter model SF-100 electronic counting system boasts the latest available technologies to ensure optimal accuracy and quality control.

ally redefined its focus back in 2000 to cater primarily to the needs of the fast-growing generic pharmaceutical industry.

“Our main customers are pharmaceutical companies and natural product manufacturers who either don’t have any packaging capabilities or whose manufacturing volumes exceed their packaging capacity,” says Paquin.

“In many cases, we are able to provide them packaging services at a lower cost than what they can do in-house,” adds Paquin, citing the company’s highly diversified and comprehensive skillset encompassing all the popular pharmaceutical/nutraceutical packaging formats, including:

- **Blister Packaging.** With throughput capacity of up to 60,000 blister-packs per shift, the 25-employee Fillab plant utilizes a broad range of tooling equipment and secondary packaging options and online printing to blister-pack a multitude of capsules, softgels and tablets in all

types of PVC and foil materials, as well as pack them inside in an unlimited variety of folding carton/card/display designs.

- **Powder Pouches.** Widely used for cold medication powders and dietary supplements, the sachets produced at the Fillab plant are filled under nitrogen atmospheric conditions and controlled relative humidity for optimal product safety and integrity. According to Jean-Francois, the plant can produce between 25,000 and 50,000 sachets in a broad variety of sizes: from small-format sample sizes to large-sized pouches used for powdered nutritional supplements, with the added option to package two doses of different products into a single pouch.
- **Tablet Bottling.** The plant’s high-speed, high-precision equipment provides a high degree of versatility in terms of counts, bottle shapes and labeling in one-, two-, three- or four-face labels, along with a wide choice of variation such as

desiccant and cotton inserts; child-resistant, induction and permaseal caps; inserts and outserts; and various-sized shrink packs.

- **Liquid and Cream Packaging.** The plant’s bottling lines can process up to 15,000 bottles per shift, with container size ranging from five milliliters to one liter for products such as syrups, energy drinks, sunscreen lotions, e-cigarette juices (with dedicated pumps), etc. Boasting versatile capping and labeling options, the bottling rooms offer a wide choice of secondary packaging such as cartons, shrink packs and display trays, among others.
- **Unit Dose Packaging.** An assortment of single-serving packaging formats, including drinkable ampoules, for product samples and commercialization trials and studies.

With speed-to-market and zero tolerance for error being two of the pharmaceutical industry’s prevailing requirements, Fillab is constantly upgrading its



A close-up of— tablets being counted and aligned for filling inside the Street Fighter SF-100 electronic tablet counting machine from Capmatic, which can handle a broad range of pill types and work with a variety of different container sizes and shapes at maximum throughput speeds of up to 120 bottles per minute.





Machine operator making on-the-fly adjustments to the blister-packing machine boasting inline printing capabilities.



Packages coming out of the high-speed form/fill/seal unit-dose packaging machine are conveyed into the shipping box.



A high-speed, fully-automatic form/fill/seal machine used to produce the popular double-sachet packs (inset) widely used for sample packs and promotional giveaways.

process flow and production equipment to stay on the leading edge, according to Paquin.

“Over the years we have identified a need in the pharmaceutical industry, especially in the generic market, for a reliable contract packager who would be able to deliver efficient services and meet the regulatory requirements at an affordable rate,” Paquin relates.

“To that end, we made it our corporate mission to contribute to the success of our clients by offering them packaging services which are fast, effective, and offer the best quality-price ratio available on the market.

“To date, our success has occurred by sticking to our mission and working truly in partnership with our clients,” says Paquin, citing scheduling flexibility as one of Fillab’s core competitive strengths.

“We operate one or two shifts daily throughout the year, including weekends if needed, depending on the demand,” he relates.

“Our whole operation is structured to enable us to employ a high variance of production workers on a very short notice.

“In over 10 years of analysis, we have identified no recurring tendencies or particular cycle in the demand,” Paquin notes, “which is why we developed a structure that adjusts quickly to the changes in demand.

“With our key personnel in place and our training procedures continually upgraded, we manage to go through our peak periods very efficiently,” he states.

“This is the nature of our business as a contract packager: We have to be available when our clients need us,” Paquin stresses.

## FAR AND WIDE

“And that’s exactly what our clients really appreciate when they get to know Fillab,” says Paquin, noting that in addition to building a loyal Canadian customer base, the company has also been able to attract notable clients from the U.S. and across Asia over the last decade.

Nowadays operating six production cleanrooms, the company spent about a million dollars in various upgrades since 2000 to install a state-of-the-art HEPA-filtered HVAC (heating, ventilation and air-conditioning) system at the Montreal facility’s packaging rooms, followed by continuous machine upgrades to meet growing demand and fine-tune the facility’s fairly automated process.

“To achieve a quick turnaround on a new project, our primary packaging is automated and the secondary packaging is mostly done through a semi-automated process employing strict inline quality inspection procedures and devices, such as checkweighers and inspection cameras, to ensure we meet all the pharmaceutical quality standards,” Paquin relates.

With demand for its services continuing to grow, last year Fillab’s management decided to make its biggest single capital upgrade to date, Paquin reveals, setting aside about \$2 million for the installation of a new high-speed production line that would meet and exceed all of the industry’s cGMP (current Good Manufacturing Practices) quality management standards for years to come.

“To meet our needs in packaging volumes and regulation compliance, we decided to look for a high-speed tablet line which would include metal detection, cap presence and alignment detector, inspection cameras for labeling with serialization, and the latest technology available on the market for tablet counting,” relates Fillab’s director



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A close-up of the Street Fighter machine's filling tunnel.



The Street Fighter uses the latest PLC (programmable logic controller) programming to ensure optimal process control.

of quality assurance and control Adriana Malizia.

“We wanted to ensure that our new line was equipped with the most recent technological advances in quality control in order to ensure not only compliance with Health Canada regulations, but also achieve the highest satisfaction and confidence levels among our clients,” Malizia points out.

“To update our solid dosage packaging capabilities in a market that is continuously changing, we decided to seek the help of a reputable Top Tier supplier capable of providing us with a versatile turnkey solution.

“And because we package so many different products,” she adds, “finding the quickest changeover capabilities available on the market was also an important part of our selection, evaluation and pur-

chasing process.”

After evaluating available options, Fillab ultimately selected nearby packaging machine-builder **Capmatic Ltd.**—a well-established, highly reputable Montreal-based manufacturer of filling, capping, labeling and other automated packaging systems for pharmaceutical, healthcare, food and other key industries—as its supplier of choice.

Currently in the process of commissioning, the highly automated, high-speed turnkey packaging line designed for the Fillab plant includes:

- The **SortStar** series bottle unscrambler;
- The **Street Fighter** series SF-100 model electronic tablet counter, featuring compact modular design, reduced parameter settings, programmable recipes and full cGMP compliance;
- The **BeltStar** series inline capper with an induction sealer;
- The **LabelStar** labeling system;
- The **BandStar** neck banding system for application of security seals.

“Our decision came about fairly easily when we outlined our deciding factors for purchasing equipment with those key elements of quality, reliability and versatility,” Paquin remarks.

“Being a privately-owned company allows us to make rapid and effective investment decisions,” he notes, “and it was clear to us early on that Capmatic was the right choice for our current and future needs.”

Says Paquin: “This line can produce 100 bottles per minute for 100-count fills, which reassures us that our packaging needs will be fulfilled for many years to come.

“Having this peace of mind is priceless,” Paquin asserts. “We are very proud to be able to say that we have a complete solid dosage packaging solution from one of the top companies in the industry.

“This investment was intended to enable us to exceed the growing demand we face in this sector of activity, to remain consistent with our mission statement, and to be able to reach our goal of increasing our production output,” he expands.

“For all these reasons, we were very happy to



Close-up of blister-packs being formed at high speeds.

choose the Street Fighter tablet filling line for our growing business.”

Malizia concurs, adding she appreciates the *Street Fighter* counter's inherent flexibility for handling various pill formats—including tablets, caplets, hard caps and soft-gels—along with a wide range of container sizes and shapes, with minimal changeover time requirements.

As Paquin explains, “All our processes have been created to lead directly to our output.

“In an industry as regulated as pharmaceutical packaging, we have to make sure not to get caught doing any additional process with no added value for the company.

“The combination of Top Tier packaging equipment and our team of highly-qualified personnel with several years of experience in the pharmaceutical sector, will allow us to continue to collaborate with our customers in such a way as to become a contributing partner to their growth and success, along with complete satisfaction with the services we render and the high standards we continuously strive to achieve.”

To see a video of *Street Fighter* in action, go to: [www.canadianpackaging.com/packpress/street-fighters-got-the-attitude/](http://www.canadianpackaging.com/packpress/street-fighters-got-the-attitude/)

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**CHARLES MALO**  
President and Chief Operating Officer  
Norampac

Cascades is pleased to announce that Mr. Charles Malo has been appointed President and Chief Operating Officer of Norampac, a division of Cascades.

After earning a Bachelor of Business Administration (BBA) degree from the Université du Québec à Montréal (UQAM), Charles Malo began his career as a controller at Etcan, a division of Cascades, in 1990. He then joined the Norampac group when it was created in 1997, in the corrugated cardboard business line. Over the years, he became Director of Administration; Regional General Manager, Operations, for Central Canada; and, in 2001, Vice-President and Chief Operating Officer, Packaging. From April 2015 to January 2016, Charles Malo served as Chief Operating Officer for Norampac, overseeing not only transformation operations, but also the production of containerboard.

This appointment makes him the third President of Norampac, succeeding Alain Lemaire and Marc-André Dépin. Mr. Malo is well known in the industry for his knowledge and leadership. He is an active member of boards of directors for various associations, companies and non-profit organizations, including that of the Fondation Hôpital Pierre-Boucher.

Founded in 1964, Cascades (CAS-TSX) produces, converts and markets packaging and tissue products that are composed mainly of recycled fibres. The Company employs close to 11,000 employees, who work in over 90 production units located in North America and Europe.



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# LAYING DOWN THE CHIPS

Venerable East Coast potato grower using cutting-edge metal detection technology to maintain optimal product safety and quality control

BY ANDREW JOSEPH, FEATURES EDITOR  
PHOTOS BY BUFFIE BOILY

Every generation seems to have its specific defining moment when a poignant event defines a culture and its people, such as the *Apollo 11* moon landing or the tragic events of 9/11 or the shooting of John Lennon.

For Thomas Curley's family, it was the *Great Potato Famine* that devastated Ireland between 1845 and 1852, marked by mass starvation, disease and caused a mass emigration to the New World.

It has been estimated that some 40 per cent of Ireland was solely reliant on the potato as a cheap crop, and after a potato blight ravaged the crops, over one million people died of hunger, with another million leaving the country—reducing total population by 20 to 25 per cent.

Originally from Monaghan County in Ireland, Curley emigrated to the Freetown/Summerfield area of Canada's Prince Edward Island (PEI), establishing a farm growing mixed vegetables.

But perhaps because the quality of soil in the area is so suitable, the sixth-generation of Curley family farming at **Monaghan Farms Ltd.** today grows approximately 1,400 acres of potato-chip potatoes per year.

Along with the contract growers, the company grows on more than 3,000 acres of land in Canada's smallest province.

## ALL IN THE FAMILY

"While the acreage farmed has grown vastly over the years since Thomas Curley first arrived, I'm very proud that his original acreage is still being farmed by the Curley family today," Monaghan Farm's operation manager and co-owner Derrick Curley told *Canadian Packaging* magazine in a recent interview.

According to **Statistics Canada**, in 2014 Canadian farmers helped produce an estimated 4.6 million tonnes of potatoes, with PEI once again leading the way—harvesting over a quarter of all the country's spuds.

"We've been farming this land for 160 years, with myself, my father and his father before him," relates Curley. "For the past 14 years, after we first started exporting with West-Isle Enterprises to different Frito-Lay processing plants around the world, they have become our biggest customer.

"West-Isle Enterprises is our export business partner based out of Tyne Valley, PEI. Owned and operated by Rod Macneill, they handle the export logistics side of the business, while we manage more of the production side," he explains.

Today, **Frito-Lay Canada/International** and its nearly 50 different brands of **Lay's** brand potato chips are made with potatoes from Monaghan Farms, which ranks as one of PEI's largest growers.

"My father Terry, who's a co-owner like myself, took some of our potatoes as a sample to one of the Frito-Lay plants in Nova Scotia," recalls Cur-



It's all about the potato for Monaghan Farms Ltd. manager and co-owner Derrick Curley, whose Prince Edward Island business produces a custom crop of spuds for the Lay's brand of potato chips.





To ensure optimal levels of food safety for consumers and customers, Monaghan Farms added three special Phantom metal detection systems from Fortress Technology to inspect all of its raw products.



Along with an Even Flow Hopper and Steel Drum washer, Monaghan Farms uses a felt drier for processing of its harvested potatoes, with P.E.I.-based H.F. Stewart supplying all of this equipment.



Monaghan Farms uses an automatic tote filler from Dunk River Industries to fill 3,400 pound bags in under two minutes, with an elevator lifting empty bags up to the top, and lowering them slowly as it fills to prevent product damage.

ley. “And I guess they must have been impressed, because they have helped us grow our business tremendously since then.”

Curley says that Monaghan Farms had previously supplied potatoes to other major food processors **Old Barrel/Humpty Dumpty, Cavendish Farms** and **McCains**, but now thanks to its exclusive contract with Frito-Lay, it has grown to become one of the largest exporters of chip potatoes in the world, with about 75 per cent of its potatoes destined for international markets.

“There are certainly quite a few established potato farms here in PEI, but Monaghan Farms may be the first such farm to create a large and ongoing export agreement,” he says.

“In fact, Monaghan Farms/West-Isle accounts for about 40 per cent of all the province’s raw potato exports shipped outside of the U.S.,” he points out.

“While our own farm could be considered big, and our quality consistently high, it’s thanks to our geographic location and local weather that we often get that provides a perfect mix of sun and rain,” Curley confides.

“Also, the agreement we have with elite potato growers such as Shorelane Farms, Klondike Farms, Linkletter Farms and seed growers Marven Stewart, Heritage Farms and Blue Bay Farms, enables us to consistently meet the product demands of Frito-Lay so that they can produce their potato chips across Asia, the Americas and elsewhere.

“In order to maintain optimal soil health, we continually rotate our crops with forage crops like rye grass and clover,” he continues. “But we still aim to annually maintain approximately 1,400 acres to grow our chip processing potatoes.”

### FROM THE GROUND UP

After being harvested from the ground by wind-rowers and harvesters, the potatoes are loaded onto trucks, unloaded at the Monaghan warehouse, cleaned, graded and piled into a storage bin area.

The harvested potatoes are held at a specific temperature, controlled by a computerized ventilation system to heal any wounds the spud may have accumulated during harvesting, as well as to dry out all moisture.

“Once that phase is complete, the potatoes are brought down to the proper storage temperature,” Curley relates.

“The storage bins are managed by myself and controlled by a computerized system that monitors temperature, carbon-dioxide and humidity levels, along with ventilation of the outside air.”

After storage, the potatoes are scooped up from the bins and unloaded inside the washing/grading plant, where the potatoes are washed, destoned, graded and run through a metal detection system before being loaded onto a trailer for direct shipment in bulk or in totes.

“We also have an IPM (integrated pest management) division, which performs crop scouting and quality monitoring in the field and in storage,” Curley points out.

“Quality is one of our main competitive advantages, so we are constantly measuring quality every step of the way, complete with our own quality control lab,” relates Curley. “Depending on the time of year, we measure all internal and external defects, solids and sugar analysis via fry tests and a special sugar analysis machine.”

Curley relates that Frito-Lay has specific requirements for potato sizes, dry matter (solids), internal potato sugar levels (it can reflect in the color of the chip after frying), and various internal and external defects.





The farm operates one main grading line—a washing/packing line with capability to load bulk and large totes.

Critical equipment on that production line consists of:

- three **H.F. Stewart**-built *Even Flow* hoppers and a *Steel Drum* washer;
- a destoner from **Allan Potato Handling Equipment**;
- a felt drier from H.F. Stewart;
- a **Tomra Sorting Solutions** automatic *Odenberg Titan 2* sorter;
- three **Fortress Technology Phantom** metal detection systems with a slide and reject system;
- an automatic tote filler from **Dunk River Industries**;
- some in-house fabricated conveyors;
- a bin-piler from Allan Potato;
- a **Kerian** potato *Speed Sizer* machine.

“Our line is reasonably automated,” notes Curley, “and we can run the entire wash-plant grading facility with three people or less.”

Notably, the production line houses three *Phantom* metal detection systems, designed and manufactured by the Toronto-headquartered **Fortress Technology**.

As Curley explains, food growers don’t usually have such advanced food inspection equipment, opting to leave that responsibility to the actual processors themselves.

## HEAVY METAL

For Monaghan Farms, the decision to purchase the *Phantom* metal detection equipment was primarily borne out of urgent necessity.

“We had a regional food tampering issue that involved one or more people inserting metal objects such as needles into potatoes,” recalls Curley. “Naturally, our local customers insisted that we pre-screen our product for foreign metals to ensure better product safety.”

Back in October of 2014, darn-ing needles began showing up in PEI potatoes sold in and around the Atlantic provinces, and while the tampered spuds were eventually traced back to a single farm in the Summerside area, no arrest was ever made.

At the time, nearly one million pounds of potatoes were recalled and checked for tampering, and all seemed well until March of 2015, when more needles were discovered in potatoes grown at other farms.

While many local PEI growers banded together to offer a \$500,000 reward for the arrest of the culprit(s), the case still remains an open police investigation.

To better combat the problem of possible product tampering at its farms, many PEI farmers began purchasing metal detection equipment as a means to protect the province’s \$1-billion potato industry.

“While we are quite keen to ensure consumers remain safe and the customer’s reputation remains unsullied, maintaining a positive reputation is also extremely important to all of us at Monaghan Farms,” Curley asserts.

“Some of our orders involve large volumes and are often shipped with a 30-day-plus transit time,” he continues, “and we didn’t wish to run into a situation where a large shipment could be rejected because of some foreign object in our product.”

Curley says that before the recent tampering, “To the best of my knowledge, no farm was metal detecting raw potato product in our area.”

Installed in the fall of 2015 in time for the harvest,



The basic Fortress Technology Phantom inspection system (above) was retrofitted to work well with the potato industry.

Curley relates that he and his father wanted to take a bit of time to do proper research to see determine which detector worked best for their operation, noting that it was imperative that the farm’s production line not be slowed down.

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Two Bulk Potato Retract metal detection systems used by Monaghan Farms at its Prince Edward Island facility, are specially-designed from a basic Phantom metal detection unit specifically for the potato processing market segment.

Curley says that since installing the *Phantom* metal detection systems, Monaghan Farms has continued to run approximately 140,000 pounds of potato per hour, which is about the same speed before installing the food safety equipment.

“Fortress Technology provided us with its impressive *Phantom* metal detection unit that ensured sensitive detection, but did not limit our productivity by generating numerous false positive rejects,” explains Curley.

“Having technicians in the region was also important to us,” he adds. “If there ever is an issue with the metal detection unit, it is extremely comforting to know that they are reasonably close by.”

Fortress Technology says it has designed, manufactured and priced three different *Phantom* metal detection systems specific to potato processors and farmers:

- The **Bulk Potato Slider Detector System** is designed to handle loose, rolling potatoes, and features a *Flap* gate reject system and UHMW trough assembly.

- The **Bagged Potato Detector System** is designed for five- and 10-lb bagged potatoes and features a *Belt* stop alarm reject and complete conveyor assembly.

- The **Bulk Potato Retract Detector System** for bulk product inspection, featuring a *Retract* reject system and a complete conveyor assembly.

All systems also include BSH rugged casing—designed to provide better stability and performance in harsh environments where rolling potatoes are often banging into things.

In addition, Fortress Technology provides all its customers with local service and support; a test sample kit for calibration; quick delivery; a ‘never obsolete’ commitment (meaning Monaghan Farms will always be able to get parts and service for the life-time of their detector); performance certificate; startup and training; and two-year warranty on the detector head.

For its part, Monaghan Farms determined that the *Bulk Potato Slider Phantom* metal detection system would be its best choice, with Curley being advised

by Fortress Technology that it would provide best sensitivity levels for the rolling potatoes.

As Fortress explained, metal in a rolling object provides a stronger signal than a stagnant metal object, with the chosen option providing Monaghan Farms with a lower sensitivity, while still providing metal detection accuracy with minimal false positives.

Utilizing a simplified conveyor system that could easily be integrated with their existing systems, it has a low-maintenance UHMW slider bed, and would provide the optimal cost-effective solution.

Purchasing three *Phantom* metal detection units elicited very positive feedback from Frito-Lay, according to Curley.

### SAFE AND SOUND

“They were mostly concerned with ensuring the product is safe for its customers, and with the *Phantom* metal detection systems in place, that need has been effectively addressed.”

The farm production and packaging operation of Monaghan Farms is *Canada GAP Certified*, meaning it follows strict criteria to ensure its food products are 100-percent safe as they move through the product’s life-cycle.

“Our formal auditing body is SGS Canada, but we are also required to partake in random audits through worker safety compensation to ensure we also provide a safe working environment for our employees,” says Curley, crediting the efforts of his employees for making Monaghan Farms such a successful enterprise.

“None of this would be possible without them and we believe it is always important to be cognizant of that fact treating all our workers with due respect and gratitude.”

According to Curley, the farm also attaches a great deal of importance to environmental stewardship.

“The ALUS (Alternative Land Use Services) is a very effective program that was developed to retire higher-risk areas such as higher slope areas near waterways, as well as to ensure that we create an environmental farm plan that we strictly follow during crop production.

“Our industry can be very competitive,” reflects Curley, “especially when it comes to our international markets.

“We typically are not directly competing with local suppliers in the international markets, as processors generally have supply gaps when local growers can’t supply potatoes in certain times of the year due to timing differences in growing seasons.

“But we are competing against a number of exporters from various countries such as Australia, U.S., Egypt, and some European countries,” he concludes, “which is why consistent high quality is such a priority for us.

“It’s also why we appreciate the excellent food safety reliability we achieve with our Fortress Technology metal detection units,” he concludes.

“It helps to keep everyone safe and satisfied.” 🍁

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# MEMBERSHIP REWARDS

## New PMMI chairman outlines his vision for the group's future evolution

**F**irst things first, let us extend our congratulations on you being appointed the first Canadian chairman of the PMMI. What new responsibilities does this position entail for you?

Thank you, it is an honor and I am looking forward to the challenge. One could liken it to steering a well-oiled machine that is always changing and evolving. Over the past few years, a tremendous amount of work has been done to reposition PMMI to make sure that we are, first and foremost, serving our members in a way that best suits them in doing better business. It is my responsibility to make sure that this evolution doesn't stall. We always want to be thinking about the future and anticipating any obstacles that our industry may encounter. Hence, we remain dedicated to helping our members navigate those barriers and, in turn, serve their customers better. So I hope to use this opportunity to continue to strengthen PMMI's position in the industry as my predecessors have done before me.

**Do you attach any special significance to being the first Canadian to be appointed to this post?**

I have always felt that each of my previous selections to various PMMI committees, its board, its executive group, and finally as its chairman, was a great honor. Over that time, I became convinced that PMMI is possibly the most inclusive of all industry groups out there—whatever one's status or nationality—allowing anyone to feel truly at ease. These days, leading progressive associations naturally tend to look globally in order to embrace change and remain relevant and competitive—making the question of nationality less important. What really matters is the bond they share with like-minded people in their industry.

Yes, I'm a proud Canadian, but I'm also part of a global industry. The companies I know in Canada, and the companies I know across North America, are among some of the most competitive and progressive enterprises in the world. There are many benefits to being a member of a group where the more you put in, the more you get out of it.

**What are some of these benefits that Canadian packaging professionals can obtain through PMMI membership?**

In addition to the wonderful business relationships—in some cases partnerships formed with fellow members—some of the tangible benefits to Canadian members mirror that of their U.S.-based counterparts. This includes priority space selection and generous discounts at our **PACK EXPO** portfolio of trade shows, as well as opportunities to engage with customers and end-users one-on-one at additional meetings and events throughout the year. Some of our member-only meetings, like the upcoming **Executive Leadership Conference** (April 10-12, Scottsdale, Az.) will provide unrivaled opportunities to meet and collaborate with real industry leaders.

The PMMI also offers valuable education and training to help its members adapt, innovate and



Paul Irvine, chief executive officer of the Toronto-based bag-sealing equipment manufacturer Plexpack Corp., was recently elected to serve a two-year term as chairman of PMMI-The Association for Packaging and Processing Technologies, the first Canadian packaging professional to take the post.

thrive in today's changing environment, including international sales and marketing support, export advice, and sales agent recruiting.

For their part, our business intelligence reports and exclusive market research provide a competitive edge to members, while our award-winning magazines, e-newsletters and webinars keep our members up-to-date, informed, and secretly a step ahead of the competition.

**The PMMI recently rebranded itself as The Association for Packaging and Processing Technologies. What was the rationale?**

In 2013, we realized that we needed a brand and descriptor that better reflected our members and the additional member categories that PMMI created over time. When PMMI started out in 1933 under its former **Packaging Machinery Manufacturer Institute** acronym, it only represented packaging machinery manufacturers exclusively.

Today, as "The Association for Packaging and Processing Technologies," we are the leading resource for the entire processing and packaging supply chain, and our new descriptor more accurately reflects our role and our responsibility to better serve both the packaging and the processing business communities in North America.

**While your PACK EXPO series trade shows continue to grow and thrive, you have also added a new food processing show in 2017 in collaboration with the major German food trade fair Anuga. Could you give some insight on this collaboration?**

We have determined in recent years that the

food and beverage markets in North America want a world-class event devoted to the latest innovations in their industry, and cross-pollinating technologies from multiple vertical markets, all in one place. Powered by **PACK EXPO**, **Anuga** and the **International Dairy Foods Association (IDFA)**, the new **ProFood Tech** will be a biennial event to showcase innovations and crossover technologies for food and beverage markets—making its debut April 4-6, 2017, at the McCormick Place in Chicago.

Intended to be the most comprehensive processing event in North America—with international stature on par with **PACK EXPO International** and **PACK EXPO Las Vegas**—it will be a one-stop-shop featuring exhibits from both large companies that serve several customer segments, and smaller niche companies with a focus on more specific needs.

The food and beverage sectors have a litany of niche markets that can learn from companies that typically serve the larger, more mainstream markets, and vice versa.

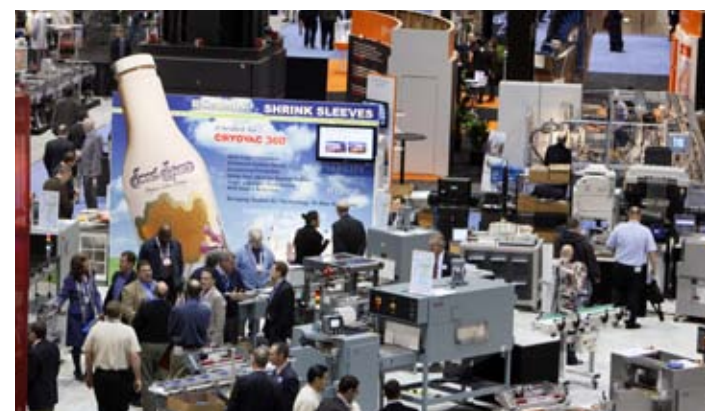
**How has PMMI membership expanded its reach in recent years in terms of its membership base?**

Well before our re-brand, PMMI primarily represented U.S.-based packaging machinery manufacturers—eventually opening its doors to Canadian members in 1993. As the industry evolved, we added supplier members in 2006, materials and containers providers in 2007, and processing members in 2009, with Mexican companies being permitted to join in 2012.

But beyond that, our trade shows, our media group, and various other events enable even non-members to take advantage of PMMI as the place for the international community outside of North America to showcase its technology, to convene, and to disseminate valuable knowledge.

**In addition to your trade shows, what are some other significant products and services that PMMI offers to the CPG (consumer packaged goods) companies?**

There are several **PMMI Business Drivers** developed to equip the makers of processing and packaging technologies to succeed in a competitive global marketplace. Some of these drivers include



Held in Chicago every two years, the **PACK EXPO International** exhibition routinely draws over 50,000 visitors to the four-day event at McCormick Place.





the establishment of industry standards like *ANSI/PMMI B155.1-2011*; the *Certified Trainer and Risk Assessment* workshops; the *eLearning* toolkit; and the *OpX Leadership Network*, which is a dynamic community of OEM and CPG manufacturing, engineering and operations professionals that join together to address industry needs.

Through open dialogue between CPGs and OEMs, the *OpX Leadership Network* provides a forum where the best minds come together to identify and solve common operational challenges, apply best practices, and create innovative solutions in the ‘real-world’ manufacturing context. It ensures that CPGs and OEMs/suppliers are well connected and well prepared to solve common operational challenges, make smarter decisions, and achieve operational excellence.

Visitors to the [www.OpXLeadershipNetwork.org](http://www.OpXLeadershipNetwork.org) site will find many helpful solutions to address performance issues such as TCO (total cost of ownership), OEE (overall equipment effectiveness), employee engagement and much more.

Finally, our **PMMI Media Group** provides a service that benefits the entire industry via a digital platform moves the **PACK EXPO** experience beyond just a trade show— offering a home for the processing and packaging industry 365 days a year.

*The PMMI is well-known for various market intelligence featuring detailed statistical data and forecasts. What do some of the latest reports tell us about the current state of the packaging industry?*

During last year’s **PACK EXPO Las Vegas 2015** and **Pharma EXPO 2015** shows in the fall, we released the *2015 PMMI State of the Industry: U.S. Packaging Machinery* and the *2015 Global Packaging Trends* reports.

The *State of the Industry* report analyzed 27 packaging machinery categories and revealed 4.2-percent growth in the U.S. packaging machinery market from 2013 to 2014, coming in

at US\$9.41 billion. The study also notes a 4.4-percent increase in domestic shipments (US \$7.45 billion), 1.6-percent growth in exports; and 3.6-percent in imports (US\$1.92 billion).

While the largest end-user industry sector for packaging machinery is food, it’s not the fastest-growing, with the pharmaceutical sector forecast to grow at a compound annual growth rate (CAGR) of 2.7 per cent through 2019, followed by two-percent CAGR increase in the beverage market.

*What can we expect to see at the next PACK EXPO International in November?*

The upcoming **PACK EXPO International 2016** and **Pharma EXPO 2016** will combine to form be world’s largest processing and packaging event this year. We expect over 50,000 attendees from more than 40 vertical markets to visit 2,300-plus exhibits spread out over 1.2 million net square feet of Chicago’s McCormick Place, including 7,000 international buyers from over 130 countries.

More than any other event in North America, **PACK EXPO International** offers attendees the chance to meet with multiple suppliers, explore the possibilities for their industry, and get ideas from other markets, with an estimated 72 per cent of the attendees formally authorized to specify, recommend or make the final purchasing decisions for their respective companies right on the show floor.

*What do you expect PMMI to look like in five years?*

In the next five years, PMMI’s three pillars—the **PACK EXPO** portfolio of trade shows, **PMMI Media Group (PMG)** and **PMMI Business Drivers**—will drive and define our group’s future.

Our **PACK EXPO** portfolio of trade shows will unite the world of processing and packaging, bringing users and suppliers together, while PMG will continue to connect the industry to the latest solutions, trends and innovation in processing and packaging year-round through our print and digital offerings.

For its part, the **PMMI Business Drivers** is a busy hub of business resources that is unrivaled in the industry, offering world-class business intelligence, workforce-strengthening programs, and other tools to penetrate international markets.

Our ultimate goal is to drive engagement and continue to move the processing and packaging industries forward, and I am extremely honored to be part of a supremely esteemed group that will be driving this vision forward over the next few years. 🍁



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# THE SEAS OF CHANGE

## Annual seafood industry exhibition teeming with market growth opportunities

While per-capita growth of fish and seafood consumption in North America is reported to have stalled somewhat in recent years, there is no denying that the world as a whole is eating more seafood protein than ever before—thereby offering significant business opportunities to innovative companies hoping to earn their share of the estimated US\$100-billion-plus global market for seafood products.

For many such companies, next month's annual *Seafood Expo North America* and *Seafood Processing North America* trade shows will provide a perfect forum for helping set their sights on the many important market and nutrition trends underpinning today's global seafood industry.

Taking place March 6-8, 2016, at the Boston Convention & Exhibition Center, this year's exhibition—sponsored by the **National Fisheries Institute (NFI)**—is already shaping up to surpass the record-breaking numbers of attendees and exhibitors featured at the show a year ago.

According to the show's organizers **Diversified Communications**, last year's edition drew more than 20,680 seafood professionals to the three-day event, which featured more than 1,200 exhibitors showcasing a broad variety of fresh, frozen and value-added seafood, processing and packaging equipment, and related services.

Now in its 36th year, the annual exposition—formerly called the *International Boston Seafood Show and Seafood Processing America*—is by far North America's largest seafood industry gathering, regularly attended by thousands of buyers and suppliers from around the world to meet, network and do business face-to-face in Boston.

According to show producers, the event draws representatives from all the key links in the seafood's global value chain, including buyers from restaurants, supermarkets, foodservice operators, catering firms, seafood markets, hotels, airlines and cruise lines, as well as importers, wholesalers and distributors.

According to Diversified Communications group vice-president Liz Plizga, this year's *Seafood Expo North America & Seafood Processing North America* promises to serve up even more business and networking opportunities, along with the latest in industry trends and market intelligence, for seafood professionals looking to expand their business in North America.



The state-of-the-art Boston Convention and Exhibition Center (above) will once again be the host venue for next month's *Seafood Expo North America* and *Seafood Processing North America* trade shows, March 6-8, 2016.

"It provides invaluable opportunities for seafood professionals to conduct business, to network, to see new industry trends, and to explore the latest in seafood products and technologies," says Plizga.

Notably, the 2016 edition will include a comprehensive conference program featuring more than 20 educational sessions—to be presented by top seafood industry experts providing attendees with informative, engaging and practical information for their business.

The year's conference program is categorized into three main tracks:

- **Seafood Sustainability**
- **Seafood Business & Marketplace**
- **Seafood Food Safety & Compliance**

There are also many special events scheduled to take place right on the exhibit floor, including:

- The **New Product Showcase**, which will unveil a broad range of new seafood products ranging from salmon burgers and seafood chowders to breaded oysters, skewered prawns, salmon candy, shrimp toast, and many other enticing seafood innovations.
- The **Seafood Excellence Awards** ceremony, recognizing and celebrating the best new seafood products in the North American seafood market.

With contestants competing in two prestigious award categories—*Best New Retail Product* and *Best New Foodservice Product*—three seafood industry experts will judge the new product entries based on critical criteria such as uniqueness and appropriateness to the market, taste profile, packaging, market potential, convenience, nutritional value and originality.

- The new **Featured Products Showcase**, exhibiting a broad variety of pre-packaged, ready-to-eat and prepared meals offering a rich variety of salmon and tuna recipes, along with sauces and other condiments.
- The 10th annual **Oyster Shucking Competition**, featuring some of the continent's best shuckers using their own blades to shuck a combination of both Atlantic (*crassostrea virginica*) and Pacific (*crassostrea gigas*) oysters in an intense skill contest based on both speed and quality.

For more information on attending next month's *Seafood Expo North America*, please go to [www.seafoodexpo.com/north-america](http://www.seafoodexpo.com/north-america) 🍁





# TUFF ENOUGH

Leading packaging supplies distributor hitting the road to broaden its Canadian market reach

Most companies may find it hard to be all things to all people, but **Veritiv Corporation** is not your average company.

Formed as a result of a 2014 merger between former business-to-business distribution rivals **Unisource Worldwide, Inc.** and the **xpedx** business of paper-making giant **International Paper Company**, the Atlanta, Ga.-headquartered Veritiv is a business colossus by any measure—employing approximately 8,900 people at 180 distribution centers across North America, generating approximately US\$10 billion in annual sales.

Serving customers across every major industry—including CPG (consumer packaged goods) manufacturing, food processing, retail and fulfillment—the company’s business comprises five core complementary segments of print, publishing, facility management, logistics solution and, notably for our audience, packaging.

With the packaging segment accounting for nearly 30 per cent of the company’s total annual revenues, Veritiv is naturally keen to solidify the leadership credentials of its **Unisource Canada** subsidiary, headquartered in Mississauga, Ont.

## THE OPEN ROAD

As part of its ongoing marketing initiatives, the company is literally taking its show on the road this coming summer with **The Complete Package Tour**, which will be held at select Unisource Canada facilities in Montreal and Toronto (late May and early June), followed by a stopover in Vancouver in late September.

According to Jay Funderburk, director of segment strategy and marketing for the company’s **Strategic Packaging Solutions** business unit, Veritiv plans to use the occasion as an opportunity to demonstrate their end-of-line packaging machinery offering manufactured by the renowned Louisville, Ky.-headquartered machine-builder **Lantech**.

The tour, along with the launch of Veritiv’s private brand of **TUFFflex** tapes and stretchwrap films, are two exciting events coming to Canada from Veritiv, as Funderburk told the **Canadian Packaging** magazine in a recent interview about the company’s Canadian business prospects.



The TUFFflex brand of tapes and stretchwrap films marketed by Veritiv Corporation covers a highly diverse range of industrial, acrylic and water-activated carton-sealing tapes, and comprises more than 70 different varieties of stretchwrap films to cover all manual and fully-automated applications.

*What can our readers expect to see and learn from The Complete Package Tour?*

Unisource Canada customers can expect to see how their current equipment performance matches up through benchmarking against industry standards. Our team will perform live demos—using the customers’ own products if they like—to measure productivity and efficiency possibilities with Lantech load containment equipment, including:

- The model **Q-400XT** model stretchwrapper with the **EZ Weigh** integrated scale, which is built into the frame of the stretchwrapper for easy verification of every load for quality and freight costs. By weighing each load, customers can ensure they are being charged correctly, thereby helping to lower transportation costs;
- The model **C-300** case erector, featuring unique pick-up frame combined with precision infeed system to create ‘square’ cases without annoying

and disruptive jams;

- The model **CS-300** case-sealer, which is a safe, easy-to-use, fast set-up machine handling most commonly used case types and sizes at speeds of up to 30 boxes per minute.

*What is it about Lantech equipment that warrants its role as a star of the show?*

As the acknowledged inventor of stretchwrapping equipment, Lantech produces field-tested packaging machines to help customers reduce costs through less labor, material waste and product damage, while increasing efficiency through faster speeds.

At Veritiv, we integrate Lantech equipment with our products and services to develop innovative solutions that organize, protect and enhance value.

*How long has the TUFFflex brand name been around and what differentiates it from other branded tapes and*





Jay Funderburk is the director of segment strategy and marketing for the Stategic Packaging Solutions business of Veritiv Corporation.

### films in the marketplace?

Our *TUFflex* brand is a comprehensive line of high-quality packaging essentials that delivers enduring performance, maximum efficiency and unmatched value, with our wide variety of tapes and films supporting most packaging applications.

While relatively new to the Canadian marketplace, the *TUFflex* brand has been around for more than 15 years in the U.S., and Veritiv looks forward to building on the brand recognition that has already been created there.

### Who actually manufactures the *TUFflex* brand products for Veritiv?

Veritiv has partnered with some of the top manufacturers of tape and stretch film in North America to provide high-quality products that are equivalent to national brands. Our tape line includes carton sealing tape—including acrylic and hot-melt in hand and machine lengths—water activated tape, masking, filament and flatback tape. Customers can choose from a variety of types, thicknesses, and quality tiers to find a tape that will work best for their packaging application. For its part, the *TUFflex* stretch film line includes more than 70 different SKUs (stock-keeping units) with multiple performance levels—available in both hand and machine film versions.

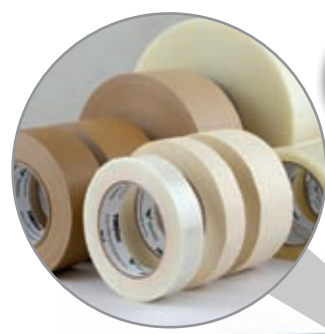
### Are there any other packaging products that may be added to this brand name in the future?

Our *TUFflex* products are part of what we call 'Packaging Essentials,' meaning that additional categories could include any products that are typically found in the majority of our customers' locations.

Veritiv is continually evaluating product category additions, and we have plans to launch additional products in the near future.

### What kind of customers are you targeting with the *TUFflex* brand?

Typical end-users of Veritiv's *TUFflex*



## PACKAGING FOR DISTRIBUTION



Manufactured by Lantech, the model CS-1000 (left) and the CS-300 case-sealing systems can run the full gamut of *TUFflex* industrial tapes to suit specific application requirements, while Lantech's Q-400XT stretchwrapping system is a fully-automated system equipped with an integrated weighscale to ensure optimal load accuracy.

products could be literally any of our customers—from a pharmaceutical or medical device manufacturer who needs to seal cartons and bundle them on a pallet, to a fulfillment house that uses water-activated tape to protect the packages they are shipping from pilferage.

Our main message is that *TUFflex* is a brand our customers can count on to get the job done. The *TUFflex* products will work with any type of equipment—automated or manual—as long as the product used meets the specifications needed for the application.

### What has been the customer response to the *TUFflex* product range so far?

We are excited that Veritiv customers have been very pleased with the *TUFflex* products, and that they are satisfied with the offering, performance and availability. Notably, they have also been asking when Veritiv will be adding additional product lines to the brand.

### That said, what are the expectations for the

### growth of this brand in the Canadian market?

With our packaging sales professionals at Unisource Canada leading with the *TUFflex* brand when they are selling out in the marketplace, our outlook for the *TUFflex* line is very strong, with high expectations for exponential growth.

We also look forward to expanding the product lines over the next few years to cover all the essential packaging elements needed by our customer base.

When our customers team up with Veritiv and *TUFflex*, they team up with a Veritiv packaging expert who will work alongside them to seamlessly implement products and services that shape success for their business. 🍁

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- Slot depth
- Skew
- Gap
- Bundle rejection
- Non-contact glue application with sensor or camera monitoring



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**AUTOMATE NOW**



A close-up view of Schubert's fully-automated TLM packaging line at the International Delights production facility in Clifton, N.J., shows the model F44 and model F4 pick-and-place robots gently placing the freshly-made croissants onto the conveyor belt at pre-determined intervals at throughput speeds of up to 180 pieces per minute.

# A DELIGHTFUL ENDEAVOR

Successful pastries producer keeps up with changing market requirements with high-performance flexible packaging automation solution

Founded in 1986 as a small pastry shop in New York City's famed Greenwich Village neighborhood, **International Delights** has more than lived up to its name since the early days.

Nowadays ranking as the leading manufacturer of baked goods in the New York region, the privately-owned bakery today employs 250 people at its busy, 170,000-square-foot production facility in Clifton, N.J., selling fresh, pre-baked and frozen baked goods to large hotels, convention centers, and supermarket chains in New York and the surrounding area.

A little over a year ago, company owner Spiro Sayegh made a decision to install a new production line to handle a whole new packaging format to respond to new customers' requests for more packaging variety.

After looking at all available equipment and machinery options for his needs, he ultimately settled on the innovative, flexible automation technology solutions developed by leading German packaging automation group **Gerhard Schubert GmbH**.

True to their word, Gerhard Schubert quickly proved to be the perfect partner for the undertaking—working closely with the customer to develop an ideal solution for producing pastry and for individually packing croissants and Danish pastries into a broad range of packaging formats with extremely gentle product handling.

With Schubert sales engineer Giorgio Calorio taking over the responsibility for the project and directly communicating with Sayegh on its progress, Schubert engineers developed nine different layouts and approaches before selecting the final ideal solution—the highly flexible, robotics-assisted **TLM** turnkey system that is very gentle on the product, that can also be used at any time for other products and tray formats.

For the most part, space requirements, ease-of-use,



While the newly-installed TLM packaging line is used primarily to pack croissants and danish pastries in two different tray sizes, it can be adjusted for use with other products and tray formats via a quick product changeover.

and considerations regarding possible future products and packaging played an important role in the line's development.

As Calorio recalls, the need for a new line was driven by the company's strategic decision to expand its client base to the larger grocery retail chains.

## **BIGGER PICTURE**

Prior to that, International Delights primarily sold its baked goods to restaurants and bars as fresh products, which were simply placed in plastic bags and then inserted inside corrugated boxes for transportation.

As is quite common with North American companies, the machines for manufacturing and packaging products were developed simultaneously.

Both the space requirements for the Schubert system and the packaging process itself, including packaging speed, had to be altered several times in the project design phase to adapt to changing parameters of the manufacturing process.

Ultimately, all this work paid off with the startup of a highly flexible line that receives the products such as croissants, danish pastries and *pains au chocolat*, from the cooling or freezing coils and places

them on a conveyor belt at pre-determined intervals.

From there, the **TLM** line's three **F4** pick-and-place robots feed the product into a fully-automated flowwrapping machine, with other robot dispensing the packaged baked goods onto two conveyor belts.

The dual-lane transport reduces the belt speed of the line, Calorio explains, so that a large amount of product can be packaged in a gentle manner.

After the **F2** and an **F3** robots form the trays, the **F3** robot takes the flat-lying tray blanks from the magazine and transfers them to the **F2** robot, which leads the blanks over gluing nozzles, presses the blank through the folding unit, and sets the finished erected carton trays onto a **TLM Transmodule** transporter.

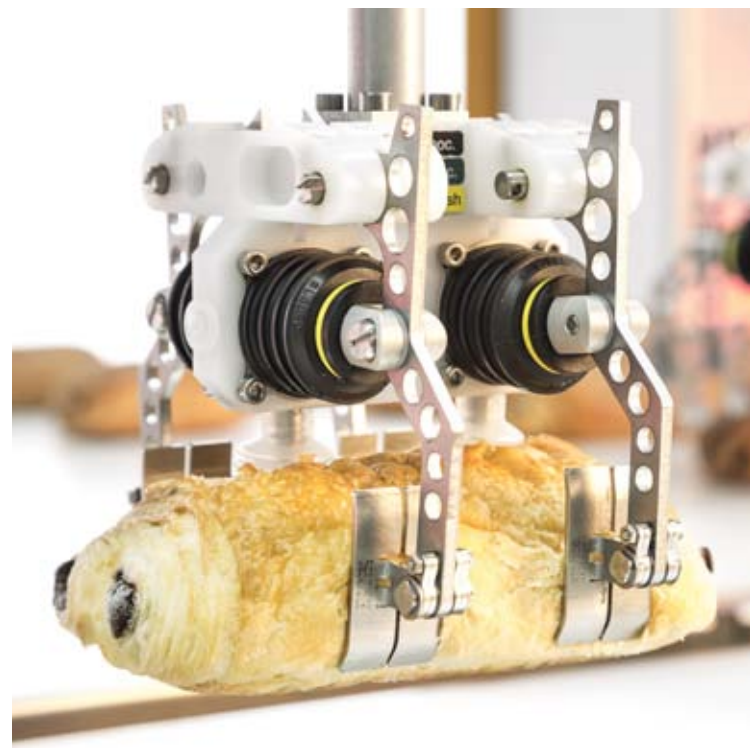
Two **F44** robots then fill the cardboard trays with the products packaged in flowwrap bags or, when required, unpacked.

Working with two different packing formats for the single-layer six- and 12-packs—the latter containing two layers of six products each—the fully-automated line uses another two **F2** robots working together to close the flaps just prior to palletizing.





International Delights owner Spiro Sayegh (*right*) talking to Schubert sales engineer Giorgio Calorio in front of the fully-automated TLM line assembled at Schubert's manufacturing facility in Crailsheim, Germany.



The combination of gripping systems with a Schubert scanner enables gentle product handling with good quality assurance.

According to Calorio, the system concept was designed so that the packaging of the products could either be changed to clamshells (thermoformed plastic trays) or plastic boxes (for supplying to restaurants).

"This flexibility enables the customer to save space and quickly adapt to changing market requirements," he explains, "without having to purchase a new machine every time those requirements change."

"This is especially important in the baked goods sector, where retailers need to offer something new practically every month in order to survive against the competition," Calorio points out.

**GET A GRIP**

Through a combination of the Schubert scanner with the gripper system, the system combines gentle product with optimal quality control.

"This is especially important considering the variable size of the baked goods," Calorio adds.

"During cooling after the baking process, which takes about an hour, the volume of goods can be difficult to control with reliable precision.

"But the system's scanner recognizes if the product is markedly too large, too small or otherwise defective, and will not signal the product to the robot, so that its grippers will not pick it up.

"But the products with only minor variations, and still falling within the specified tolerances, can be picked up, since the scanner reports their exact shape, size and position."

Calorio points out that careful product handling is of decisive importance—especially for croissants—since little pieces can easily break off if they're roughly handled, or if excessive gripper pressure disfigures them out of shape.

Like all Schubert systems, the TLM packaging line at the Clifton bakery stands out with its clear design and layout, ease of access and ease of use, he notes, along with following performance highlights:

- Flexibility to handle three different products, specifically two types of crois-

sants and a danish pastry;

- Robust throughput speeds of up to 180 products per minute;
- Ability to handle different tray sizes;
- Fast product changeover—depending on the format—requiring from two to a maximum of 30 minutes.

"The planning and implementation of this customized system was only possible thanks to very close collaboration between International Delights and the Schubert project team," Calorio relates.

Since the baking and packaging processes were developed in parallel, Schubert employees spent several days on-site to assess product characteristics immediately after the cooling process.

"This ensured that the handling of the products throughout the packaging process met with the customer's high standards and left nothing to chance," he says, adding the process took approximately one year to

complete.

According to International Delights, it was a year very well-spent.

"Schubert has successfully proven that it understands the baking business and that it is highly attentive to our needs at all times when developing a line for us," says company owner Sayegh.

"Thanks to their expertise, we have achieved an all-new level of innovation with its flexibility, its adaptability to changing market requirements, and its gentle product handling.

"It is a true milestone for our operation," he concludes, "and yes, we are already talking about the next Schubert line."

**For More Information:**

**Gerhard Schubert GmbH**

**425**

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### HOW TO USE THIS MANUAL

- ▶ **Check the list of packaging machinery headings to discover the heading which addresses your packaging needs.**
- ▶ **Under each heading appear the names of manufacturers who supply packaging machinery to the Canadian market. Manufacturers are listed alphabetically.**
- ▶ **Following the name of the manufacturer is a notation indicating a Canadian supplier, if one exists.**
- ▶ **Under the name of the manufacturer is a list of the machinery that the firm produces for that packaging application. A capsule description of speeds, sizes, materials handled, packaging materials, special features, etc., is included to help you identify packaging machinery that might be of interest to you.**
- ▶ **To contact a manufacturer, or a Canadian representative, turn to the section immediately following the list of manufacturers. There you will find an up-to-date list of addresses, including phone and fax numbers, to which you can forward your inquiry.**

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# LINE INTEGRATORS

## ABBEY PACKAGING EQUIPMENT LTD.

5030 South Service Rd Burlington ON L7L 5Y7

Tel: 905-681-3010 Fax: 905-681-3018

President: Robert McNaught

Year Established as a Packaging Line Integrator: 1990

**Services Offered:** A complete Sales and Service provider for a select group of specialized equipment manufacturers. Planning, project management, radiation safety training, installation & commissioning, on-site operator and maintenance training, technical services, after hours support, field service support, preventative maintenance training, calibration and certification, spare parts inventory.

**Markets/Industries Served:** Food Products, Pharmaceutical, Beverage, Industrial/Chemical

## AESUS PACKAGING SYSTEMS, INC.

(IN CANADA: ROSS PACKAGING, DELTA, BC)

188 Oneida Ave Pointe-Claire QC H9R 1A8

Tel: 514-694-3439, Ext 224 Fax: 514-694-4107

President: Daniel Lachapelle

Head of Manufacturing/Engineering: Martin Ladouceur

Year Established as a Packaging Line Integrator: 1995

**Services Offered:** OEM of packaging machinery. Be it stand alone or fully integrated lines.

**Markets/Industries Served:** Medical Device, Pharmaceutical, Nutritional, Vitamin, Cosmetic, Personal Care, Food, Beverage, Industrial, OEM

## ALEX E. JONES & ASSOCIATES LTD.

8-785 Pacific Rd Oakville ON L6L 6M3

Tel: 905-847-0166 Fax: 905-847-0123

President: Paul Duke

Year Established as a Packaging Line Integrator: 1976

**Services Offered:** Sales and Service of "Best In Class" Fillers, Cappers, Labellers, VFFS, Scales, Cartoners, Case Packers, and Palletizer's.

**Markets/Industries Served:** Food & Beverage, Pharma, Industrial, Chemical, Health and Beauty.

## ARPAC LLC

9555 W Irving Park Rd Schiller Park IL 60176 USA

Tel: 847-678-9034 Fax: 847-671-7006

President: Rick Allegretti

Head of Manufacturing/Engineering: Howard Dittmer

Year Established as a Packaging Line Integrator: 1971

**Services Offered:** OEM with full line integration.

**Markets/Industries Served:** Food, beverage, dairy-ice cream, consumer goods, building products, pharmaceutical, industrial products.

## ATS - TANNER BANDING SYSTEMS INC.

A-2390 Wyecroft Rd Oakville ON L6L 6M8

Tel: 905-815-9999 Fax: 905-815-0443

Year Established as a Packaging Line Integrator: 2005

**Services Offered:** Sales and support for ATS Banding Machines and Systems

**Markets/Industries Served:** Canada

## B&T SALES INC

42 Crawford Dr Ajax ON L1S 3A8 Tel: 905-426-1668

President: Manfred Vogler

Year Established as a Packaging Line Integrator: 1998

**Services Offered:** Packaging & Processing Systems

**Markets/Industries Served:** Food, Beverage & Chemical Industries.

## BANDING SYSTEMS

289 Broadway St Orangeville ON L9W 1L2

Tel: 866-779-1492 Fax: 416-479-0787

President: JP Perreault

Head of Manufacturing/Engineering: PS Paul Slipper

Year Established as a Packaging Line Integrator: 2014

**Services Offered:** Bandall is a patent technology that eliminates the need for pressure-sensitive labeling on your products by securing a 360 degree band around the package of the product. The banding material is available in plain or printer paper or plastic film and will allow your products to stand-out and get noticed! The system is used in 2 main applications: replacing a paper sleeve or PS label or to bundle products together for club packs. Systems are available as stand-alone units or can be fully automated to band over 160 ppm. Banding Systems will design, install, and commission the system that is right for any size of application.

**Markets/Industries Served:** Food and Beverage, Pharma, Industrial, Health and Beauty, Graphics, Logistics etc.

## BEST PACKAGING SYSTEMS

1-8699 Escarpment Way Milton ON L9T 0J5

Tel: 905-864-3005 Fax: 905-864-6245

President: Dave Sweetland

Year Established as a Packaging Line Integrator: 1987

**Services Offered:** 24-7 service all make Pallet Wrappers, 3M Case Sealers

**Markets/Industries Served:** Food, Pharmaceuticals

## BIVANS CORPORATION

2431 Dallas St Los Angeles CA 90031 USA

Tel: 323-225-4248 Fax: 323-225-7316

Year Established as a Packaging Line Integrator: 1952

**Markets/Industries Served:** Worldwide: Pharmaceutical,

Medical device, Nutraceuticals, Cosmetics, Personal care, Contract packagers, Automotive, Hardware, Snacks/candy

## BRADMAN LAKE INC.

3050 Southcross Blvd Rock Hill SC 29730 USA Tel:

704-588-3301 Fax: 704-588-3302

President: Gary Pickett

Year Established as a Packaging Line Integrator: 1969

**Services Offered:** The Bradman Lake Group is synonymous with providing innovative packaging solutions to a global client base; a client base that demands a partner to go 'above and beyond' to help them excel in today's competitive markets.

By integrating our three key brands - Autowrappers, Bradman Lake and Europack - we are a major supplier of packaging technology to the Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare industry sectors.

From distribution and feeding systems to flow wrapping, carton erection, loading and closing and end-of-line options of case packing and shrink wrapping, time after time many leading companies place their trust in Bradman Lake technology.

At our three factories; in the UK, Beccles and Bristol and South Carolina in the USA, research and development teams strive to ensure Bradman Lake technology remains at the forefront of innovation.

The group has one clear aim - to maximise clients' profitability by utilising the most cutting edge technology available. With decades of experience and many thousands of installations to our credit, whether the requirement is for a single machine or a totally integrated solution, Bradman Lake makes the ideal partner.

Bradman Lake is a wholly owned subsidiary of the multi-disciplined global UK engineering group Langley Holdings plc. www.langleyl holdings.com

**Markets/Industries Served:** Bakery, chocolate & confectionery consumer & healthcare frozen & dry foods

## CAM PACKAGING SYSTEMS

3-226 Industrial Parkway N Aurora ON L4G 4C3 Tel:

905-737-5400

Head of Manufacturing/Engineering: Mike Potts

Year Established as a Packaging Line Integrator: 2008

**Services Offered:** Robotics integration, systems integration, custom machinery manufacturing, automatic feeding solutions, material supply & recommendation to ensure low individual package costs while maximize machinery capabilities. Unique software monitoring solutions for complete lines; CAM InSite.

**Markets/Industries Served:** Food, beverage, industrial, horizontal & vertical form fill and seal, primary and secondary packaging systems including end of line solutions.

## CAPMATIC LTD.

12180 boul Albert-Hudon Montréal-Nord QC H1G 3K7

Tel: 514-322-0062 Fax: 514-322-0063

President: Alioscia Bassani

Head of Manufacturing/Engineering: Loris Bassani

Year Established as a Packaging Line Integrator: 1964

**Services Offered:** Full turnkey operations in high quality & efficient packaging lines.

**Markets/Industries Served:** Diagnostics/Bio-Medical, Sterile, Aseptic, Pharmaceutical/Nutraceutical, Cosmetics Health & Beauty Care, Food/Beverage, Industrial/Chemical

## CHARLES DOWNER & CO. LTD.

7-52 West Beaver Creek Richmond Hill ON L4B 1L9

Tel: 905-882-2222 Fax: 905-882-0437

President: Jeff Downer

Year Established as a Packaging Line Integrator: 1977

**Services Offered:** Planning, equipment supply, installation commissioning, training, parts, service, preventative maintenance programs

**Markets/Industries Served:** ALL

## DELKOR SYSTEMS, INC. (IN CANADA: ABBEY PACKAGING EQUIPMENT LTD)

4300 Round Lake Rd W St. Paul MN 55112 USA Tel: 651-348-

6700 Fax: 651-348-6705

President: Dale Andersen

Head of Manufacturing/Engineering: Kurt Kern

Year Established as a Packaging Line Integrator: 1973

**Services Offered:** Packaging Machinery & Supplies

**Markets/Industries Served:** Flexible pouches case packed into shelf ready packaging (SRP) and standard shippers. Rigid bottles, cups, tubs, sleeves packed into cartons, cases, or shrink-bundled packaging (pad or tray). Combination lines (case/tray/pad-shrink). Food, dairy, beverage, snack foods, confectionery.

## DESCON CONVEYOR SYSTEMS

1-1274 Ringwell Dr Newmarket ON L3Y 9C7

Tel: 905-953-0455 Fax: 905-953-1335

Year Established as a Packaging Line Integrator: 1993

**Services Offered:** Project consultation, mech. & controls design engr., controls programming, sys. integration, project mgmt., custom mfg., mechanical & electrical installation, plant layout & design, spare parts.

**Markets/Industries Served:** Soft drink, water, spirits, brewing, food, manufacturing, container manufacturing.

## DJS ENTERPRISES

6-2700 14th Ave Markham ON L3R 0J1 Tel: 905-475-

7644 Fax: 905-475-7645

President: Darrell Shulman

Year Established as a Packaging Line Integrator: 1991

**Services Offered:** DJS Enterprises buys and sells New, Used and Reconditioned Process and Packaging Equipment for the Pharmaceutical, Vitamin, Food and Confectionery Industries.

**Markets/Industries Served:** Process and packaging equipment to the pharmaceutical, vitamin, herbal, food, confectionery, and cosmetic industries.

## ECKERT MACHINES INC.

3841 Portage Rd Niagara Falls ON L2J 2L1

Tel: 905-356-8356 Fax: 905-356-1704

President: Paul Eckert

Year Established as a Packaging Line Integrator: 1959

**Services Offered:** Canadian Sales Representative Company representing manufacturers of equipment for the food processing, industrial and packaging industry.

**Markets/Industries Served:** Food Processing Industry, General Industrial.

## FORTRESS TECHNOLOGY INC.

51 Grand Marshall Dr Scarborough ON M1B 5N6

Tel: 416-754-2898 Fax: 416-754-2976

Year Established as a Packaging Line Integrator: 1996

**Services Offered:** Metal Detector Solutions, Product Testing, Custom Applications, Contaminant Risk Consultation, Preventive Maintenance Inspections, Pre-Audit Inspections, Operator Training

**Markets/Industries Served:** Bakery, Beverage, Carpet, Cereal, Chemicals, Confectionery, Corn, Dairy, Flour, Fresh Food, Frozen Food, Grains, Jam, Juice, Meat, Nut Butters, Nutraceutical, Nuts, Packaged Products, Paper, Paste, Pharmaceutical, Plastics, Powder, Prepared Meals, Rice, Rubber, Sauces, Sausage, Sugar, Textile, Wood

## GENERAL CONVEYOR CO. LTD.

155 Englehard Dr Aurora ON L4G 3V1

Tel: 905-727-7922 Fax: 905-841-1056

President: William A Rickard

**Services Offered:** Systems integration

**Markets/Industries Served:** Food, personal care, pharmaceutical, beverage, irradiation, plastics, and warehousing mkts.

## HARLUND INDUSTRIES LTD.

101-17973 106th Ave Edmonton AB T5S 2H1

Tel: 780-484-4400 Fax: 780-484-3646

Year Established as a Packaging Line Integrator: 1982

**Services Offered:** We fully service and support the products we sell with Factory Trained Technicians. Our support facilities are located across Canada.

**Markets/Industries Served:** Food & Beverage, Wire/ Cable, Automotive, Agriculture, Building Materials, Pharmaceutical, Confectionery, Co-Packers. Any Industry that Manufactures any type of product requiring Codes and Package Identification.

## HARPAK-ULMA PACKAGING, LLC

175 John Quincy Adams Rd Taunton MA 02780 USA

Tel: 508-884-2500 Fax: 508-884-2501

President: Charles Harfinger

Year Established as a Packaging Line Integrator: 1994

**Services Offered:** Complete integration services of HUP and ancillary/secondary equipment.

**Markets/Industries Served:** Foods, meats, medical, meals.

## HEAT AND CONTROL CANADA, INC.

13-1111 Franklin Blvd Cambridge ON N1R 8B5

Tel: 519-623-1100 Fax: 519-623-1052

Year Established as a Packaging Line Integrator: 1950

**Services Offered:** Machinery for weighing, checkweighing, metal detection, X-ray inspection, snack bag making, conveying, accumulation, coating & seasoning, blending, sorting, tray sealing, container filling, packaging; Control & information management systems; Spare parts, service, installation, engineering and training; Machinery demonstrations; Food processing machinery systems.

**Markets/Industries Served:** Food, pharmaceutical, non-food products.

## HIBAR SYSTEMS LIMITED (IN CANADA: INOX PUMPS & PROCESS - DIV. OF HURRICANE PUMP DISTRIBUTION INC, SAINT-LAURENT, QC)

35 Pollard St Richmond Hill ON L4B 1A8 Tel: 905-731-2400

Fax: 905-731-6035

Year Established as a Packaging Line Integrator: 1974

**Services Offered:** Precision Dispensing Pumps, Semi Automatic Filling Systems, Automatic Inline Filling Systems, Automated Assembly Equipment, Special Purpose Filling Systems.

**Markets/Industries Served:** Pharmaceutical, Food & Beverage, Cosmetic, Consumer Products, Automotive, Chemical Technical, Battery

## HMA SYSTEMS

12-185 Advance Blvd Brampton ON L6T 4Y3

Tel: 905-458-8182 Fax: 905-458-0758

President: Wayne Wood

Year Established as a Packaging Line Integrator: 1976

**Services Offered:** We provide engineered solutions for adhesive and sealant applications, with in house manufacturing capabilities to customize equipment to meet specific customer requirements. Full sales and service support, installation and training services, supported by parts and equipment inventory.

**Markets/Industries Served:** Industrial, manufacturing, packaging, product assembly applications that require adhesive or sealant applied in a controlled, automatic or manual manner.

## IMPAK PACKAGING SYSTEMS INC.

4-445 Milner Ave Scarborough ON M1B 2K4

Tel: 416-299-0960 Fax: 416-299-9566

President: Chris Tremblay

Year Established as a Packaging Line Integrator: 1995

**Services Offered:** Packaging Machine Sales, Service, Parts & Installation, Stretch Wrapper Sales, Service, Parts & Installation

**Markets/Industries Served:** Manufacturers; Distributors; Wholesale; Retail

## JG PACKAGING

92 Henderson Dr Whitby ON L1N 7Y8

Tel: 905-430-7647 Fax: 905-430-3435

Year Established as a Packaging Line Integrator: 2000

**Services Offered:** Sales and service of packaging equipment.

**Markets/Industries Served:** Food, Confectionery, Way range of Manufacturing Companies

## KLIKLOK-WOODMAN (IN CANADA: PROPACK PROCESSING & PACKAGING SYSTEMS INC.)

5224 Snapfinger Woods Dr Decatur GA 30035 USA

Tel: 770-981-5200 Fax: 770-987-7160

President: Peter Black

Year Established as a Packaging Line Integrator: 1947

**Services Offered:** KW supplies vertical form-fill-seal bagmakers and weighers; topline, endload and wraparound cartoners; product handling and indexing machines; and specialized machinery. KW's installation base is more than 20,000 machines in operation in more than 80 countries.

Contact KW at KWMarketing@kliklokwoodman.com or at (770) 981-5200, or visit our website at www.kliklokwoodman.com

**Markets/Industries Served:** Kliklok-Woodman is a leading international supplier of packaging machinery to the bakery, snack food, frozen food/ prepared foods, cereal and industries requiring related technologies.

## LANGEN PACKAGING INC.

6154 Kestrel Rd Mississauga ON L5T 1Z2

Tel: 905-670-7200 Fax: 905-670-5291

Year Established as a Packaging Line Integrator: 1956

**Services Offered:** Langen Group provides reliable and robust packaging machinery solutions for high-speed product collation, cartoning, case packing and palletizing.

**Markets/Industries Served:** Food and beverage, Consumer goods, Personal care and cosmetics.

## MARKEM-IMAJE INC.

5448 Timberlea Blvd Mississauga ON L4W 2T7

Tel: 800-267-5108

**Services Offered:** Extended Warranties, On-Site or In-House Training, Preventive Maintenance

**Markets/Industries Served:** Food, Beverage, Dairy, Pharmaceutical, Packaging, Extrusion, Aerospace, Automotive.

## MASSMAN AUTOMATION DESIGNS, LLC

1010 E Lake St Villard MN 56385 USA

Tel: 320-554-3611 Fax: 320-554-2650

President: Jeff Bigger

Year Established as a Packaging Line Integrator: 1978

**Services Offered:** Case Packers of all types, Gantry and Robotic Palletizers, Cartoners, Product Placers, Timing Gates, Flexible Pouch Form, Fill, and Seal machines, Net Weight Liquid Fillers, Tin Tiers of bagged product, Coilers of hose and cable products, and twist tiers.

**Markets/Industries Served:** Dairy, Food & Beverage, Consumer Products, Filter Manufacturing, Paint & Chemical

## MATTHEWS MARKING SYSTEMS

6515 Penn Ave Pittsburgh PA 15206 USA

Tel: 800-775-7775 Fax: 412-665-2550

Year Established as a Packaging Line Integrator: 1850

**Services Offered:** Drop on Demand Valve Ink Jet, High Resolution Piezo Ink Jet, High Resolution Thermal Ink Jet, Thermal Transfer, Contact Printing, Custom Solutions, Continuous Ink Jet, Laser Marking, Inks.

**Markets/Industries Served:** Consumer Packaged Goods, Food, Beverage, Medical, Pharmaceutical, Automotive, Electronics, Plastics, Building Products, Glass, Metals

## MECANO INDUSTRIES

1570 rue Nationale Terrebonne QC J6W 0E2

Tel: 450-961-1228 Fax: 450-961-1200

President: Raymond Gingras

Head of Manufacturing/Engineering: Mark Beatty

Year Established as a Packaging Line Integrator: 1981





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# LINE INTEGRATORS

**Services Offered:** Mechanical and Electrical engineering, custom and standard packaging machinery or system design, installation and service, complete turn key solutions.

**Markets/Industries Served:** Food and Beverage, consumer goods, pharmaceutical, electronic and many others.

**NEWMAPAK LTD.**

1015-A Edouard-VII St-Philippe QC J0L 2K0

Tel: 877-866-5572 Fax: 450-635-3611

President: Robert Kucey

**Year Established as a Packaging Line Integrator:** 2006

**Services Offered:** Designs & manufactures conveyors system, offering conveyor pre-wiring, control panel line and system integration.

**Markets/Industries Served:** Wine, Spirit, Beer, Juices, Food, Pharmaceutical

**NJM PACKAGING**

5600 rue Kieran Saint-Laurent QC H4S 2B5

Tel: 514-337-6990 Fax: 514-335-0801

**Year Established as a Packaging Line Integrator:** 1915

**Services Offered:** Packaging and labeling equipment for the Pharmaceutical, Biotech, Cosmetic, Personal Care, Food and Chemical industries

**Markets/Industries Served:** Pharmaceutical, Nutraceutical, Vitamin, BioTechnology, Cosmetic & Personal Care, Food and Household Chemical Industries & Contract Packaging

**OMEGA DESIGN CORP. (IN CANADA: PACKAGING EQUIPMENT SOLUTIONS INC.)**

211 Philips Rd Exton PA 19341-1336 USA

Tel: 610-363-6555 Fax: 610-524-7398

**Year Established as a Packaging Line Integrator:** 1969

**Services Offered:** Integration of equipment for Serialization

**Markets/Industries Served:** Pharmaceutical, Nutraceutical, food, beverage, chemical Contract Packagers

**PLAN AUTOMATION INC.**

289 Broadway Ave Orangeville ON L9W 1L2 T

el: 416-479-0777 Fax: 416-479-0787

President: Jean-Pierre Perreault

**Year Established as a Packaging Line Integrator:** 2009

**Services Offered:** PLAN Automation's primary focus is in assisting clients implement quality downstream Package Automation and Food Safety Inspection Solutions. We offer comprehensive planning, organizing, procurement, and management of resources to achieve these goals.

PLAN provides this service at no expense to our clients and only benefits if we are successful within our own sponsored bids. Ultimately our process is totally transparent and provides clients with our years of packaging automation expertise for risk management and effective project execution.

**NO CHARGE - What PLAN Offers Your Company:**

**\*\*\* PROJECT INITIATION | ANALYSIS | BID BUILDING \*\*\***

- 1) Co-development of URS (User Requirement Specifications) and scope of work (aka rfq) / clear definition of project - production objectives
- 2) Co-development of project risk analysis
- 3) Line Layout Mechanical Plan View Drawings | establish physical installation parameters
- 4) Multi-vendor sourcing | qualify vendors based on established project needs and thresholds.
- 5) Evaluation Matrix | full due diligence analysis of vendor capability, financial risk analysis (DB), system technological offering

**\*\*\* BID EXECUTION \*\*\***

- 1) Centralized project financial responsibility | single purchase contract based on total vendor individual selection
- 2) Development of packaging specifications in association to each individual machine efficient requirements

3) Contract development including by example | late delivery penalties, efficiency guarantees, operational "cost-of-ownership" limitations

**Markets/Industries Served:** Agricultural, Bakery, Dairy, Food and Beverages, Meat and Poultry, Fish and Sea Food, Nutraceutical, Personal Care, Pharmaceutical

**PPI TECHNOLOGIES GROUP (IN CANADA: CHARLES DOWNER & CO., LTD, RICHMOND HILL, ON; AESUS PACKAGING SYSTEMS, POINTE CLAIRE, QC)**

1610 Northgate Blvd Sarasota FL 34234-2114 USA

Tel: 941-359-6678 Fax: 941-359-6804

President: Stuart C Murray

**Head of Manufacturing/Engineering:** Tom Richard  
**Year Established as a Packaging Line Integrator:** 1996

**Services Offered:** Integrate pouch, machinery and end-of-line systems

**Markets/Industries Served:** Food, beverage, chemical, personal care

**R.E. MORRISON EQUIPMENT INC.**

21-3615 Laird Rd Mississauga ON L5L 5Z8

Tel: 905-828-6301 Fax: 905-828-3674

President: Ray Ralph

**Year Established as a Packaging Line Integrator:** 1985

**Services Offered:** Modular preassembled bottle drying sys to dry bottles/cans prior to labeling or coding

**Markets/Industries Served:** Bottle and can packaging, food packaging

**REISER (CANADA) CO.**

4-1549 Yorkton Crt Burlington ON L7P 5B7 Tel: 905-631-6611 Fax: 905-631-6607

**Head of Manufacturing/Engineering:** Garry Taylor

**Year Established as a Packaging Line Integrator:** 1959

**Services Offered:** For more than 50 years, Reiser has been a leading supplier of processing and packaging equipment solutions for the sausage, meat, poultry, seafood, prepared food, bakery and cheese industries. During that time, the company has gained recognition for its high-quality equipment, innovative engineering, and outstanding service and support. Today, this total commitment to its customers positions Reiser as the one supplier that processors can trust for better, smarter solutions.

**Markets/Industries Served:** Sausage, meat, poultry, seafood, prepared food, bakery, cheese and produce industries

**RJP PACKAGING**

3317 Mainway Dr Burlington ON L7M 1A5

Tel: 905-319-7562 Fax: 905-335-6734

President: Ray Perry

**Year Established as a Packaging Line Integrator:** 2000

**Services Offered:** Field service for all types of V.F.F.S. and scales

**Markets/Industries Served:** All

**SCHNEIDER PACKAGING EQUIPMENT CO., INC. (IN CANADA: GARTH DANGERFIELD)**

5370 Guy Young Rd PO Box 890 Brewerton NY

13029-0890 USA Tel: 315-676-3035 Fax: 315-676-2875

President: Rick Schneider

**Head of Manufacturing/Engineering:** Peter Squires  
**Year Established as a Packaging Line Integrator:** 1970

**Services Offered:** Design and manufacture of a complete line of case packers, cartoners, case sealers, tray packers and robotic palletizing systems which easily integrate with coding/labeling equipment, code readers, check weighing and stretch/shrink wrapping equipment.

**Markets/Industries Served:** Food, beverage, tissue, paper, pharmaceutical, plastics, replication (CD/DVD), industrial and personal care industries

**SESOTEC CANADA LTD.**

114-7 Grand Ave S Suite 100 Cambridge ON N1S 2L3

Tel: 519-621-6536

**Year Established as a Packaging Line Integrator:** 1979

**Services Offered:** Sales and Service of Sesotec Metal Detection, Magnetic Separation, X-ray Inspection, and Optical Sorting Systems

**Markets/Industries Served:** Serving the Food, Pharmaceutical and Plastics Industries

**SHAWPAK SYSTEMS LTD.**

8-785 Pacific Rd Oakville ON L6L 6M3

Tel: 905-847-0122 Fax: 905-847-0123

President: Nigel Turnpenny

**Year Established as a Packaging Line Integrator:** 1984

**Services Offered:** Shawpak Systems Ltd are your Trusted Advisor in Product Inspection and Food Safety. Shawpak Systems is the sole representative Nationwide for Mettler Toledo Product Inspection, TOMRA Process Analytics & ATTEC Hygiene Solutions along with Detectamet Food Safety Products.

The Entire Shawpak Systems Team are GFTC trained to better understand your Food Safety Programs, from GMP HACCP & CCP implementation and advise on global standards BRC/SQF/GFSI from a Product Inspection perspective.

Collectively Shawpak and the Equipment Manufacturers

## Your Komori dealer from the Rockies to the Atlantic Ocean



On January 1st of 2016 KOMCAN Inc. grew again to include Quebec and Eastern Canada. With that we have added more sales staff, bilingual customer service staff in our Toronto office, as well as a local Montreal office to service our customers' needs. In addition, we are bringing to our customers local authorized Komori electrical and mechanical technicians. We want to make a difference for Eastern Canadian printers and we will do all we can to earn your business!

Depuis le 1er janvier 2016, KOMCAN Inc. a grandi pour inclure dans ses rangs le Québec et l'est du Canada. De ce fait, notre personnel de vente a augmenté, le service à la clientèle de notre bureau de Toronto est maintenant bilingue et un bureau est également ouvert à Montréal, afin de mieux servir les besoins de nos clients. De plus, nous offrons à nos clients les services des techniciens électriques et mécaniques locaux autorisés Komori. Nous voulons nous démarquer chez les imprimeurs de l'est du Canada et nous ferons tout ce qui est possible pour rendre votre entreprise rentable!



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www.komcan.com



FOR MORE INFORMATION CIRCLE 122



# LINE INTEGRATORS

represented provide a global knowledge base to advise on the best equipment & best practice solutions for Product Safety, choosing the right inspection equipment is paramount for achieving the ultimate detection and due-diligence capabilities, also achieving the maximum production uptime, Shawpak Systems Technical Advisors will guide you through the best practice options available based on your specific application, acting as your Trusted Advisor.

**Markets/Industries Served:** Food & Beverage, Bakery, Dairy, Meat, & Poultry, Seafood, Pharma, Chemical, and Personal Care.

#### SPEEDWAY PACKAGING MACHINERY

10 Gormley Industrial Ave Unit 2-3 Gormley ON L0H 1G0 **Tel:** 905-888-5344 **Fax:** 905-888-5374

**President:** Peter Pflingst

**Year Established as a Packaging Line Integrator:** 2002

**Services Offered:** Sales & Manufacturing,

Complete Machine Shop, Welding, Line Design

**Markets/Industries Served:** Packaging - Co Packers, Food & Beverage, Personal Care - Cosmetics, Pharmaceutical, Cleaning Supplies.

#### SPS/PHIN LIMITED

15-440 Tapscott Rd Scarborough ON M1B 1Y4

**Tel:** 416-298-2151 **Fax:** 416-298-2170

**President:** Hugh McCrie

**Year Established as a Packaging Line Integrator:** 1948

**Services Offered:** Original equipment manufacturer (Phin labellers) and designer of complementary packaging machinery. Project Management, line integration, commissioning and training.

**Markets/Industries Served:** Food, beverage, pharmaceutical, personal care, household chemical.

#### SQUID INK MANUFACTURING

7041 Boone Ave Brooklyn Park MN 55428 USA

**Tel:** 763-795-8856 **Fax:** 763-795-8867

**President:** WH William Hoagland

**Year Established as a Packaging Line Integrator:** 1991

**Services Offered:** Squid Ink specializes in the manufacture of high quality industrial inks and industrial ink jet printers for the packaging industry. Our products and services are designed to provide reliable cost-effective solutions to your industrial applications. Squid Ink has relied on a wealth of knowledge and experience in the ink jet industry to design a full family of Large Character and Hi-Resolution printing systems. Additionally, Squid Ink has been able to formulate the most comprehensive line of Hi-Resolution, Piezo, and Large Character fluids in the product identification market today.

**Markets/Industries Served:** Manufacturing Building Products Food Manufacturing

#### STEELTEK - A DIV. OF 877418 ONT. LTD. (IN CANADA: IMPACT SALES; R-J MACHINERY INC; ROSS PACKAGING SERVICES; PAXIOM GROUP, W-P-L MACHINERY SALES; MD PACKAGING INC)

140 Desroches Trail Tiny ON L9M 0H9

**Tel:** 705-526-5810 **Fax:** 705-526-5811

**President:** Brian Tandy

**Year Established as a Packaging Line Integrator:** 1990

**Services Offered:** Manufacturer of Rotary Heat Sealers,

parts for sealing machines, Refurbish Sealing Machines

**Markets/Industries Served:** North America, England, South America, Europe.

#### STORCAN LTD.

108 rue Bélanger Châteauguay QC J6J 4Z2

**Tel:** 450-365-2158 **Fax:** 450-698-1178

**President:** Jean Martin Savoie

**Head of Manufacturing/Engineering:** Benoit Cliche

**Year Established as a Packaging Line Integrator:** 2000

**Services Offered:** High speed conveyor lines for the

Food & Beverage industries, turn-key packaging lines

**Markets/Industries Served:** Food, beverage, pharmaceutical & cosmetic

#### TRI-MACH GROUP INC.

23 Donway Crt Elmira ON N3B 0B1

**Tel:** 519-744-6565 **Fax:** 519-744-6829

**President:** Harold Whiteside

**Head of Manufacturing/Engineering:** Ryan Martin

**Year Established as a Packaging Line Integrator:** 1985

**Services Offered:** Processing Line Automation/

Integration, Custom Design Build Material Handling Systems.

Packaging Equipment & Line Automation/Integration.

Installation of Packaging Equipment (Mechanical & Electrical),

Custom Fabrication, Sanitary Conveyors, Installations and

Relocations

**Markets/Industries Served:** Food - Meat, Dairy, Fruit/

Veg, Confectionary, Bakery; Liquid Processing; Personal

Healthcare; Nutraceuticals

#### WEBER MARKING SYSTEMS OF CANADA

6180 Danville Rd Mississauga ON L5T 2H7

**Tel:** 905-564-6881 **Fax:** 905-564-6886

**Year Established as a Packaging Line Integrator:** 1932

**Services Offered:** With headquarters in Mississauga,

Ontario, and direct sales offices across Canada, Weber Marking Systems of Canada provides high-quality labels and labelling and coding products to the Canadian marketplace.

Our 24,000-square-foot, state-of-the-art, high-efficiency manufacturing and administration facility is capable of supporting all of your company's labelling and coding requirements. Our Canada-wide network of sales, service and technical support specialists, along with our commitment to quality, has established our position as a leader in the industry.

Our representatives have an in-depth knowledge of labelling and coding equipment, data collection systems, labelling software, and label materials. They work as partners with our customers to acquire understanding of each application. Our high-speed label presses and extensive library of die shapes give us the capacity and flexibility to meet your easiest and toughest labelling application.

**Markets/Industries Served:** Manufacturing, Healthcare, Food, Automation Systems, Software, Printing, Marking

#### WULFTEC/M.J.MAILLIS

209 Wulftec Ayer's Cliff QC J0B 1C0

**Tel:** 819-838-4232 **Fax:** 819-838-5539

**Year Established as a Packaging Line Integrator:** 1990

**Services Offered:** Wulftec is a world-leading manufacturer of packaging solutions to help maximize productivity, minimize downtime and slash costs. Wulftec's packaging equipment line includes: semi-automatic pallet stretch wrappers, fully automatic conveyerized stretch wrapping systems, pallet strapping equipment and pallet handling solutions & conveyors. Wulftec is based in Ayer's Cliff, Quebec. Its state-of-the-art, 146,000 sq. ft. facility houses 198 highly skilled employees. Wulftec is part of the M.J. Maillis, a leading European Group that designs, manufactures and distributes end-of-line industrial products and systems, including: strappers, stretchwrappers, shrink wrappers, carton sealing equipment, and materials.

#### WHAT MAKES US UNIQUE

We offer a broad product range which allows you to buy from one single source. Each product can be customized to meet customer's specific needs. Wulftec offers a complete range of affordable options that allow end-users to custom build a machine that will meet their exact needs.

#### YASKAWA AMERICA, INC. (IN CANADA: YASKAWA CANADA, INC., MISSISSAUGA, ON)

Motoman Robotics Division 100 Automation Way

Miamisburg OH 45342 USA

**Tel:** 937-847-6200 **Fax:** 937-847-6277

**Year Established as a Packaging Line Integrator:** 1989

**Services Offered:** Founded in 1989, Yaskawa Motoman is a leading robotics company in the Americas. With more than 300,000 Motoman robots, 10 million servos and 18 million inverter drives installed globally, Yaskawa provides automation products and solutions for virtually every industry and robotic application.

**Markets/Industries Served:** Yaskawa provides automation products and solutions for virtually every industry and robotic application; including arc welding, assembly, coating, dispensing, material handling, material cutting, material removal, packaging, palletizing and spot welding.

#### ZARPAC INC.

1185 North Service Rd E Oakville ON L6H 1A7

**Tel:** 905-338-8880 **Fax:** 905-338-3521

**President:** Frank Roberts

**Head of Manufacturing/Engineering:** Paul Zepf

**Year Established as a Packaging Line Integrator:** 1989

**Services Offered:** Complete systems integration and design build solutions

**Markets/Industries Served:** N.A., Mexico, S.A., Europe, Asia, Food and beverage; confectionery; Homecare; personal care and cosmetics; pharmaceutical; paper products; chemical; pet food



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EFFICIENT

As a pioneer in smart automation technologies, Schneider Electric makes it easier for you to offer your customers better connected machines. Our future-ready machine solutions intelligently connect people, devices, machines, and data to simplify machine design and boost business efficiency. Both today and tomorrow.

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# AUTOMATION DEVICES

## AUTOMATIC GUIDED VEHICLE

ALEX E. JONES & ASSOCIATES LTD.  
CHARLES DOWNER & CO. LTD.  
EUROIMPIANTI SPA

## BARCODE SCANNERS

AHEARN & SOPER INC.  
ATS - TANNER BANDING SYSTEMS  
BARCODE GRAPHICS INC.  
BIZERBA CANADA INC.  
COGNEX CORP.  
COUSINEAU PACKAGING INC.  
Eagle PI  
EDSON PACKAGING MACHINERY  
GENERAL CONVEYOR CO. LTD.  
Harlund Industries Ltd.  
NJM PACKAGING  
OMRON CANADA INC.  
PINEBERRY MANUFACTURING  
Plan Automation  
Plexpack  
SAMUEL PACKAGING GROUP  
SORT PRODUCTION PRODUCTS LTD.  
STERLING MARKING PRODUCTS INC.  
TECHNO PAK PACKAGING SYSTEMS  
Valco Melton

Videojet Technologies  
VISUASCAN INC.  
Weber Marking Systems of Canada  
ZARPAC INC.

## BUS SYSTEMS

B&R INDUSTRIAL AUTOMATION  
Balluff Canada Inc.  
Bosch Rexroth Canada  
Festo Inc.  
LAPP CANADA  
OMRON CANADA INC.  
Plan Automation  
Schneider Electric Canada  
SIEMENS CANADA  
SORT PRODUCTION PRODUCTS LTD.  
VISUASCAN INC.

## CHAIN GUARD

IGUS

## CONNECTORS

Harting Canada

## CONVEYOR BELTING

BRADMAN LAKE INC.

Intelligrated Industries Canada  
Multivac Canada  
Regal Beloit America,  
TRI-MACH GROUP

## CONVEYOR CHAIN

AHEARN & SOPER INC.  
ATS - TANNER BANDING SYSTEMS  
Bosch Rexroth Canada  
COUSINEAU PACKAGING INC.  
Flexlink Systems Canada  
Intelligrated Industries Canada  
PINEBERRY MANUFACTURING  
Plan Automation  
REXNORD CANADA L.P  
TRI-MACH GROUP  
Tsubaki of Canada  
VISUASCAN INC.  
WULFTEC/M.J.MAILLIS

## DRIVES

AC AND DC

ABB  
Bosch Rexroth Canada  
TRI-MACH GROUP

## GUARDING SYSTEMS

Bosch Rexroth Canada  
COUSINEAU PACKAGING INC.  
EDSON PACKAGING MACHINERY  
GENERAL CONVEYOR CO. LTD.  
Plan Automation  
Schneider Electric Canada  
SIEMENS CANADA  
SORT PRODUCTION PRODUCTS LTD.  
TRI-MACH GROUP  
ZARPAC INC.

## HYDRAULICS

Bosch Rexroth Canada  
Plan Automation

## INPUT/OUTPUT SYSTEMS

ABB  
AHEARN & SOPER INC.  
ATS - TANNER BANDING SYSTEMS  
B&R INDUSTRIAL AUTOMATION  
Balluff Canada Inc.  
Bosch Rexroth Canada  
GEBO CERMEX CANADA  
GENERAL CONVEYOR CO. LTD.  
LENZE AMERICAS  
NEWMAPAK LTD.  
OMRON CANADA INC.  
Plan Automation  
ROCKWELL AUTOMATION,  
SIEMENS CANADA  
SORT PRODUCTION PRODUCTS LTD.  
Videojet Technologies  
VISUASCAN INC.  
ZARPAC INC.

## INSPECTION EQUIPMENT

FILL LEVEL  
ABBEY PACKAGING EQUIPMENT  
AESUS PACKAGING SYSTEMS,  
AHEARN & SOPER INC.  
ALEX E. JONES & ASSOCIATES LTD.  
B&R INDUSTRIAL AUTOMATION  
BAUMER INC.  
Capmatic Ltd.  
Eagle PI  
FILAMATIC  
GENERAL CONVEYOR CO. LTD.  
LOMA SYSTEMS INC.  
Mettler-Toledo Inc.  
Multivac Canada  
Plan Automation  
SHAWPAK SYSTEMS LTD.  
SIEMENS CANADA  
TECHNO PAK PACKAGING SYSTEMS  
TRI-TRONICS COMPANY  
VC999 Canada  
ZARPAC INC.

## LABEL

ABBEY PACKAGING EQUIPMENT  
AESUS PACKAGING SYSTEMS,  
AHEARN & SOPER INC.  
ALEX E. JONES & ASSOCIATES LTD.  
ATS - TANNER BANDING SYSTEMS  
AUTO LABE  
B&R INDUSTRIAL AUTOMATION  
BANDING SYSTEMS  
BIZERBA CANADA INC.  
Capmatic Ltd.  
Eagle PI  
EDSON PACKAGING MACHINERY  
Harlund Industries Ltd.  
Mettler-Toledo Inc.  
Multivac Canada  
NITA LABELING EQUIPMENT  
NORTH AMERICAN LASER SYSTEMS  
PINEBERRY MANUFACTURING  
Plan Automation  
SHAWPAK SYSTEMS LTD.  
TECHNO PAK PACKAGING SYSTEMS  
TRI-TRONICS COMPANY  
VC999 Canada  
Videojet Technologies  
VISUASCAN INC.  
ZARPAC INC.

## METAL DETECTORS

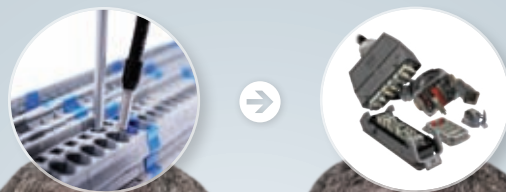
ABBEY PACKAGING EQUIPMENT  
Eagle PI  
ERIEZ  
Fortress Technology Inc.  
Mettler-Toledo Inc.  
Multivac Canada  
Plan Automation  
SESOTEC CANADA  
THERMO FISHER SCIENTIFIC  
TRI-MACH GROUP

## VISION

ABBEY PACKAGING EQUIPMENT  
AESUS PACKAGING SYSTEMS,  
AHEARN & SOPER INC.  
ALEX E. JONES & ASSOCIATES LTD.  
ATS - TANNER BANDING SYSTEMS  
B&R INDUSTRIAL AUTOMATION  
BIZERBA CANADA INC.  
BLUEPRINT AUTOMATION INC.  
Capmatic Ltd.  
CHARLES DOWNER & CO. LTD.  
COGNEX CORP.  
Eagle PI  
EDSON PACKAGING MACHINERY

Relax, tomorrow has already been tested.

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HARTING.ca

FOR MORE INFORMATION CIRCLE 125



### CYLINDER ARRIVALS

FROM	SERIES	STATUS
COMPANY A	ISOCYL	DELAYED
NUMATICS	ISO449, 453	ON TIME
NUMATICS	NFPA	ON TIME
COMPANY X	NFPA	DELAYED

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or techsalescdn@emerson.com  
[www.asconumatics.ca/expressprogram](http://www.asconumatics.ca/expressprogram)



FOR MORE INFORMATION CIRCLE 126



# AUTOMATION DEVICES

## FILAMATIC

Harlund Industries Ltd.  
Mettler-Toledo Inc.  
Multivac Canada

## NITA LABELING EQUIPMENT

OMEGA DESIGN CORP.

OMRON CANADA INC.

Plan Automation

## SESOTEC CANADA

SHAWPAK SYSTEMS LTD.

SIEMENS CANADA

SORT PRODUCTION PRODUCTS LTD.

TECHNO PAK PACKAGING SYSTEMS

Valco Melton

VC999 Canada

Videojet Technologies

VISUASCAN INC.

## X-RAY

ABBEY PACKAGING EQUIPMENT

ALEX E. JONES & ASSOCIATES LTD.

BIZERBA CANADA INC.

CHARLES DOWNER & CO. LTD.

Eagle PI

HARPAK-ULMA PACKAGING, LLC

HEAT AND CONTROL CANADA

LOMA SYSTEMS INC.

Mettler-Toledo Inc.

Multivac Canada

Plan Automation

## SESOTEC CANADA

SHAWPAK SYSTEMS LTD.

TECHNO PAK PACKAGING SYSTEMS

THERMO FISHER SCIENTIFIC

VC999 Canada

ZARPAC INC.

## INTEGRATED LOGIC NETWORK SYSTEMS

AESUS PACKAGING SYSTEMS,

AHEARN & SOPER INC.

B&R INDUSTRIAL AUTOMATION

Bosch Rexroth Canada

LOMA SYSTEMS INC.

NEWMAPAK LTD.

OMRON CANADA INC.

Plan Automation

SORT PRODUCTION PRODUCTS LTD.

VC999 Canada

VISUASCAN INC.

ZARPAC INC.

## MACHINE VISION

AESUS PACKAGING SYSTEMS,

AHEARN & SOPER INC.

ATS - TANNER BANDING SYSTEMS

Balluff Canada Inc.

BLUEPRINT AUTOMATION INC.

Bosch Rexroth Canada

COGNEX CORP.

Eagle PI

EDSON PACKAGING MACHINERY

Harlund Industries Ltd.

HARPAK-ULMA PACKAGING, LLC

NJM PACKAGING

Plan Automation

PPI TECHNOLOGIES GROUP

SESOTEC CANADA

SIEMENS CANADA

SORT PRODUCTION PRODUCTS LTD.

TECHNO PAK PACKAGING SYSTEMS

VC999 Canada

VISUASCAN INC.

YASKAWA AMERICA

ZARPAC INC.

## MOTION CONTROLLERS

ABB

ABB INC.

AHEARN & SOPER INC.

B&R INDUSTRIAL AUTOMATION

BAUMER INC.

Bosch Rexroth Canada

Capmatic Ltd.

Festo Inc.

GENERAL CONVEYOR CO. LTD.

HARPAK-ULMA PACKAGING, LLC

LENZE AMERICAS

NORTH AMERICAN LASER SYSTEMS

OMRON CANADA INC.

Plan Automation

Plexpack

ROCKWELL AUTOMATION,

Schneider Electric Canada

SEPTIMATECH GROUP INC.

SEW Eurodrive Company of Canada

SIEMENS CANADA

VISUASCAN INC.

ZARPAC INC.

## PNEUMATIC DRIVES & CONTROLS

AHEARN & SOPER INC.

B&R INDUSTRIAL AUTOMATION

Capmatic Ltd.

Festo Inc.

## FILAMATIC

Flexlink Systems Canada

GEBO CERMEX CANADA

GENERAL CONVEYOR CO. LTD.

HARPAK-ULMA PACKAGING, LLC

OMRON CANADA INC.

Plan Automation

TRI-MACH GROUP

VISUASCAN INC.

ZARPAC INC.

## PROGRAMMABLE LOGIC CONTROLLERS

ABB

ABB INC.

AHEARN & SOPER INC.

B&R INDUSTRIAL AUTOMATION

Bosch Rexroth Canada

COUSINEAU PACKAGING INC.

EDSON PACKAGING MACHINERY

Festo Inc.

Flexlink Systems Canada

GEBO CERMEX CANADA

GENERAL CONVEYOR CO. LTD.

HARPAK-ULMA PACKAGING, LLC

Intelligrated Industries Canada

LENZE AMERICAS

NEWMAPAK LTD.

NORTH AMERICAN LASER SYSTEMS

OMRON CANADA INC.

Plan Automation

Plexpack

ROCKWELL AUTOMATION,

Schneider Electric Canada

SEPTIMATECH GROUP INC.

SIEMENS CANADA

SORT PRODUCTION PRODUCTS LTD.

STEELTEK - A DIV. OF 877418 ONT.

TRI-MACH GROUP

UNITRONICS

VISUASCAN INC.

YASKAWA AMERICA

ZARPAC INC.

## ROBOTIC EQUIPMENT

### CASE PACKING

ABB INC.

ABBEY PACKAGING EQUIPMENT

ALEX E. JONES & ASSOCIATES LTD.

ARPAC LLC

ATS - TANNER BANDING SYSTEMS

B&T SALES

BIZERBA CANADA INC.

BLUEPRINT AUTOMATION INC.

BOSCH PACKAGING SYSTEMS AG - SIGPACK

BOSCH PACKAGING TECHNOLOGY

BRADMAN LAKE INC.

CHARLES DOWNER & CO. LTD.

CHISHOLM MACHINERY SOLUTIONS

CONSOLIDATED TECHNOLOGIES INC.

COUSINEAU PACKAGING INC.

Delkor Systems

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EUROIMPIANTI SPA

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FLEXI-PACK MACHINERY SOLUTIONS

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LANGEN PACKAGING INC.

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Multivac Canada

NALBACH ENGINEERING COMPANY, INC.

NEWMAPAK LTD.

OMRON CANADA INC.

Plan Automation

PPI TECHNOLOGIES GROUP

PREMIER TECH CHRONOS

STANDARD KNAPP INC.

TECHNO PAK PACKAGING SYSTEMS

TRINAMICS INCORPORATED

YASKAWA AMERICA

YASKAWA CANADA,

YASKAWA MOTOMAN

ZARPAC INC.

### END-OF-ARM TOOLING

ATI Industrial Automation

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CHARLES DOWNER & CO. LTD.

EDSON PACKAGING MACHINERY

Intelligrated Industries Canada

LANGEN PACKAGING INC.

Multivac Canada

OMRON CANADA INC.

Plan Automation

PREMIER TECH CHRONOS

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ZARPAC INC.

### PALLETIZING

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ABBEY PACKAGING EQUIPMENT

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ARPAC LLC

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TOPTIER

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## PICK & PLACE

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BOSCH PACKAGING SYSTEMS AG - SIGPACK

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## SAFETY PRODUCTS

### ELECTRONIC MACHINE GUARDING

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ARPAC LLC

Bosch Rexroth Canada

COUSINEAU PACKAGING INC.

EDSON PACKAGING MACHINERY

Fortress Technology Inc.

GENERAL CONVEYOR CO. LTD.

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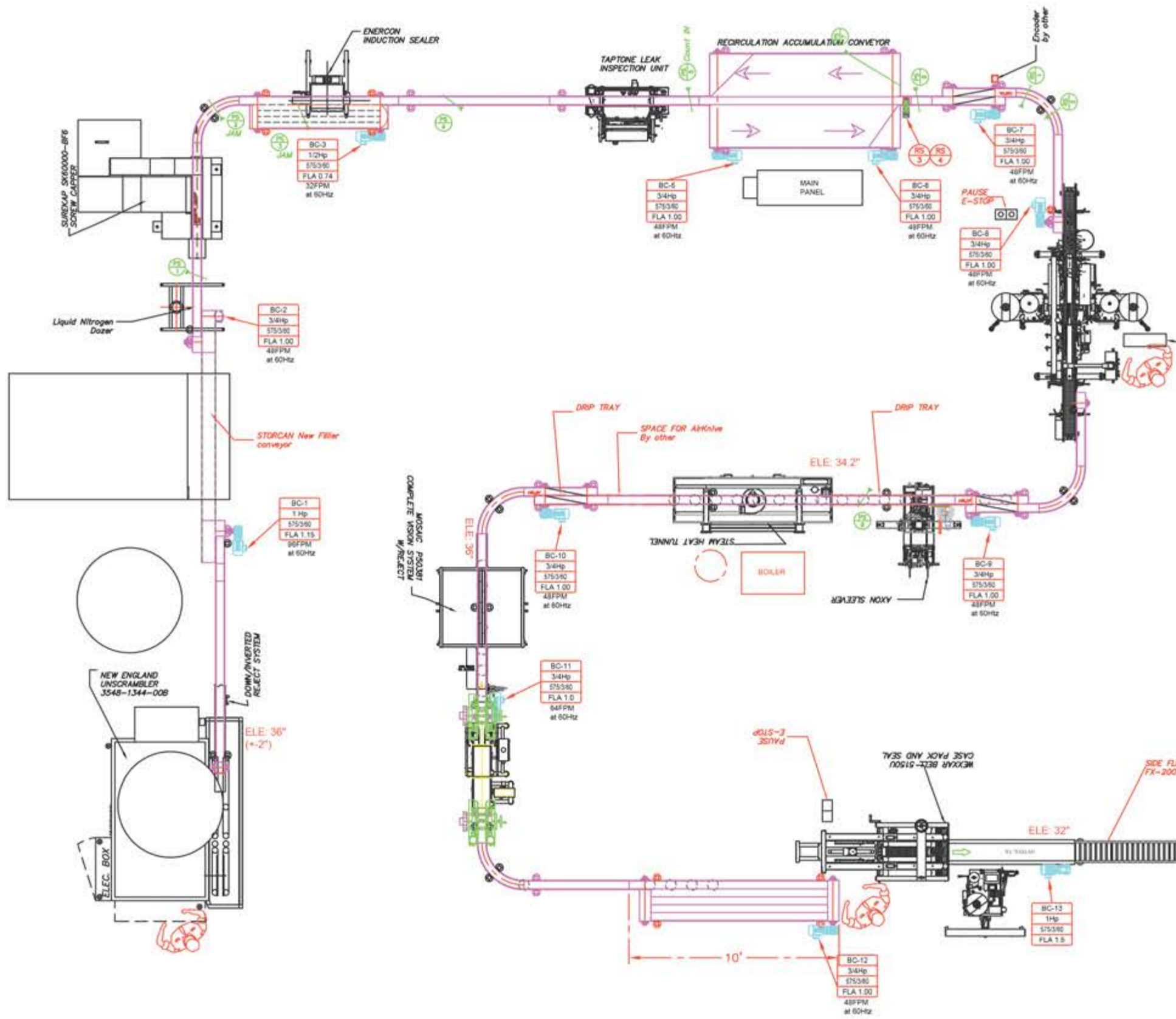


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SIEMENS CANADA  
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GENERAL CONVEYOR CO. LTD.  
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Festo Inc.  
Harlund Industries Ltd.  
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### COLOR MARK

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GENERAL CONVEYOR CO. LTD.  
Harlund Industries Ltd.

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Schneider Electric Canada  
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STEELTEK - A DIV. OF 877418 ONT.  
VISUASCAN INC.  
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Fortress Technology Inc.  
Harlund Industries Ltd.  
LOMA SYSTEMS INC.  
Schneider Electric Canada  
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VISUASCAN INC.  
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## PHOTOELECTRIC

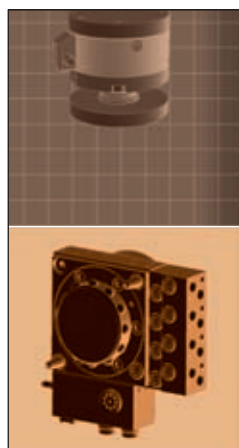

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BAUMER INC.  
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Harlund Industries Ltd.  
OMRON CANADA INC.  
SIEMENS CANADA  
SORT PRODUCTION PRODUCTS LTD.  
TRI-TRONICS COMPANY  
ZARPAC INC.

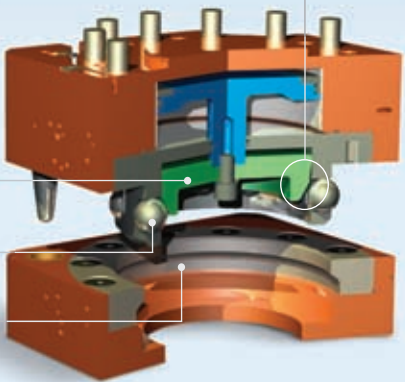
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**Locking Balls**—Low-friction locking balls extend the life of the unit

**Lock Ring**—Wide footprint of lock ring creates high moment capacity in locking mechanism



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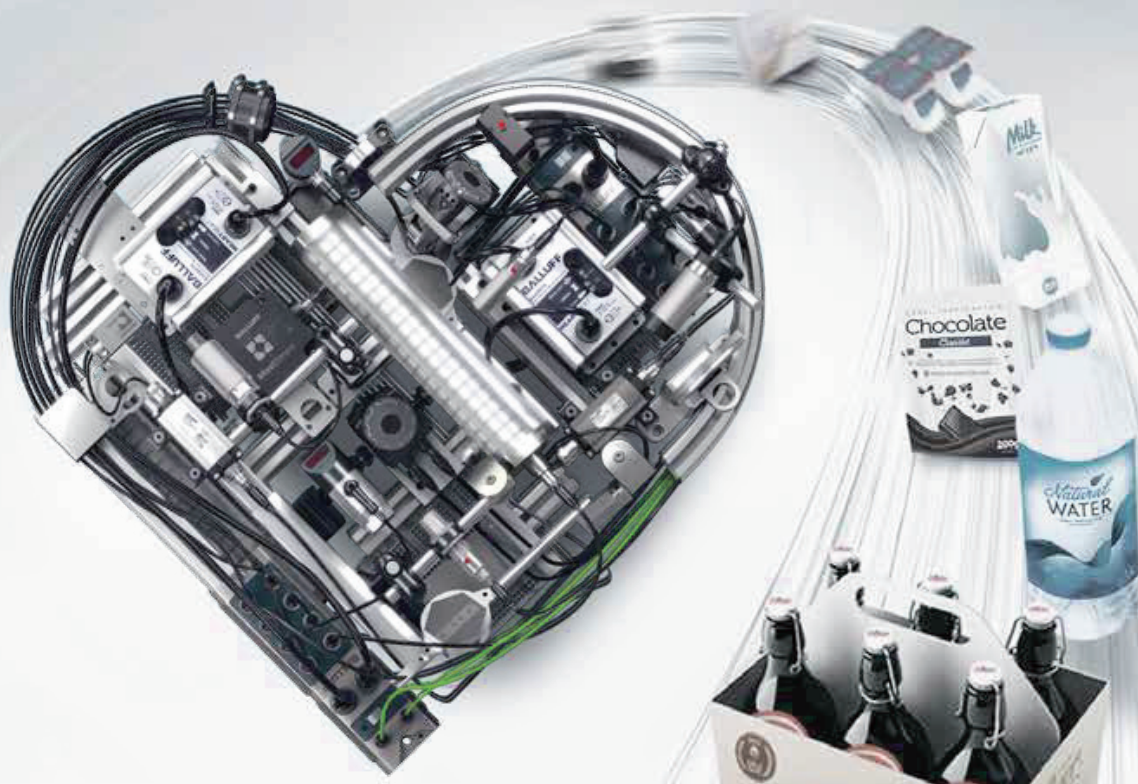


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# AUTOMATION DEVICES

## SERVO

Bosch Rexroth Canada

FILAMATIC

Plan Automation

Plexpack

## SERVO MOTORS

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AHEARN & SOPER INC.

ARPAC LLC

B&R INDUSTRIAL AUTOMATION

Bosch Rexroth Canada

Capmatic Ltd.

EDSON PACKAGING MACHINERY

Festo Inc.

FILAMATIC

GEBO CERMEX CANADA

GENERAL CONVEYOR CO. LTD.

LAPP CANADA

LENZE AMERICAS

NORTH AMERICAN LASER SYSTEMS

OMRON CANADA INC.

Plan Automation

Plexpack

ROCKWELL AUTOMATION,

Schneider Electric Canada

SEPTIMATECH GROUP INC.

SEW Eurodrive Company of Canada

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TRINAMICS INCORPORATED

ZARPAC INC.

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Balluff Canada Inc.

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VISUASCAN INC.

## SOFTWARE PROGRAM

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ARPAC LLC

B&R INDUSTRIAL AUTOMATION

Bosch Rexroth Canada

Capmatic Ltd.

EDSON PACKAGING MACHINERY

GEBO CERMEX CANADA

Intelligrated Industries Canada

NORTH AMERICAN LASER SYSTEMS

OMRON CANADA INC.

Plan Automation

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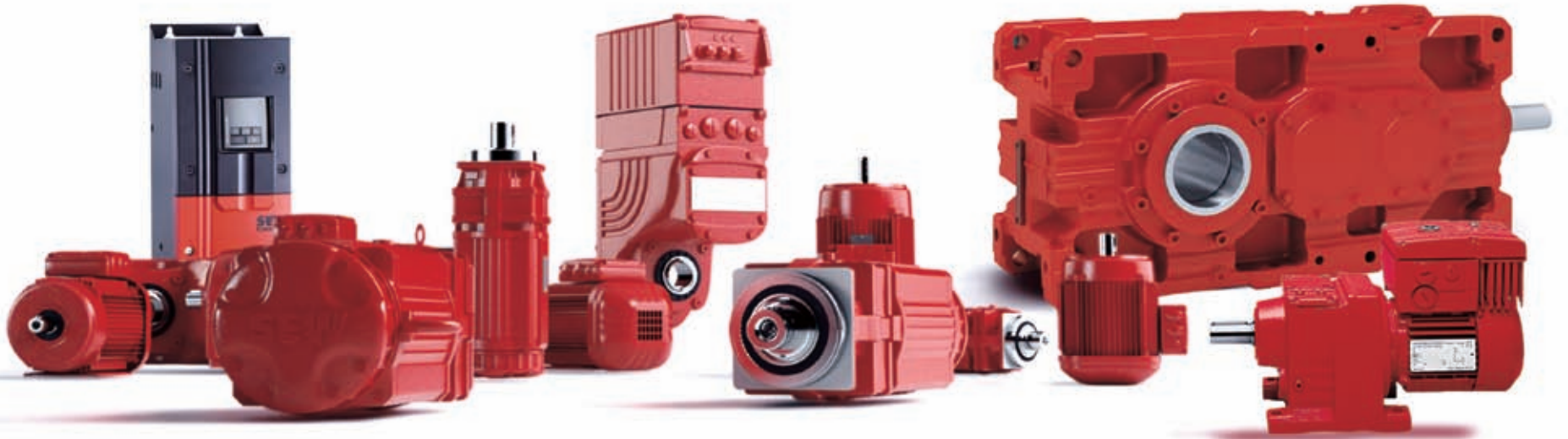
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FOR MORE INFORMATION CIRCLE 108



**ASEPTIC PACKAGING**

MAKER & MODEL	PRODUCTS PACKAGED	MATERIALS	SIZE RANGE	SPEED
<b>FILAMATIC</b> (In Canada: Bellatrix, Pointe-Claire, QC)	Complete range	Liquid	Variety	Up to 300cpm
<b>KRONESMACHINERY CR LTD</b>	Low acid Aseptic	Low Acid products, Milk, Milk based, Soy, Juices and Liquid Food Products	PET, HDPE	Various
Extended Shelf Life	Juice and High acid products	PET, HDPE	Various	As required
<b>MATRIX PACKAGING MACHINERY LLC</b> (In Canada: Plan Automation, Orangeville, ON)	Matrix Packaging	Roll Stock		
<b>NJM PACKAGING</b>	Dara Vial Filling & Stoppering	Liquid Vials		400 upm
<b>SERAC INC</b>	ESL & Aseptic Lines	High & low acid	HDPE, PET, glass	Up to 600 bpm
<b>SIG COMBIBLOC</b>	SIG Combibloc Aseptic Filling Machine	Aseptic Carton Packaging	125ml - 2000ml	5-24k/hour depending on filler
<b>TETRA PAK CANADA INC</b>	TBA/19 Aseptic Carton Filler	TBA, Tetra Prima Aseptic, Tetra Wedge Aseptic cartons	100-375ml	6000-7500/hr
TBA/8 Aseptic Carton Filler	TBA Cartons		375-1500ml	5500-6000/hr
TBA/21 Aseptic Carton Filler (Size changeable)	TBA, Tetra Prima Aseptic cartons		125-1500ml	5500-8000/hr
TBA/22 Aseptic Carton Filler	TBA, Cartons		200-250ml	20,000/hr

**BAG PACKAGING CLOSING, SEALING**

MAKER AND MODEL	SPEED	TYPES AND MATERIALS of bags	BAG SIZES	OPERATION
<b>A I E</b> (In Canada: CiMa-Pak Corporation)	Impulse Sealers	Operator dependent	Poly	12-32" sealers
<b>A P M CORP ALL PACKAGING MACHINERY DIV</b>	APM VCBS - 1/4TX - 6"x5"	45 fpm	PE, PP, foil, laminates, Tyvek, nylon	2-36 in. wide, up to 48 in. long
APM HCBS - 1/8TX - 12"x8"	100 fpm	As above	As above	As above
<b>ABBEY PACKAGING EQUIPMENT LTD</b>	Bossar USA Inc. BCS PMP (Pre-Made Pouch) Series	60-120ppm	Various; Heat Seal	100x150 to 300x400
				HFFS with Programmable Full Servo Carousel machine for filling & sealing PMP and Allen Bradley Controls with Automatic Change over
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>	Hayssen - Novus Doy/Quad	up to 220ppm	Roll Stock, Various Materials	Various sizes, Doy, Quad seal, Tucked, Block Bottom Bag and Pillow Pouch
Hayssen - Ultima Series	160ppm	Roll Stock, Various Materials	Various sizes, Pillow, Tucked and Block Bottom Bag Pouch	Intermittent and Continuous motion, Servo Driven
Mamata - Vega Pack M-200	Up to 100ppm	Roll Stock, Various Materials	Various, Doy Standup Pouch, 3-Side Seal, 4-Side Seal, with and without Zipper	Continuous motion, Servo Driven, Automatic Change-over
Mamata - Vega Pack iX260	Up to 120ppm	Pre-Made Pouch, Various Materials	Various, Doy Standup Pouch, 3-Side Seal, 4-Side Seal, with and without Zipper	Intermittent and Continuous motion, Servo Driven, Automatic Change-over
Hayssen RT Series	200ppm	Roll Stock, Various Materials	Various sizes, Pillow Pouch and C-fold Pouch	Continuous motion, MAP Packaging
Hayssen - Integra Series	Up to 150ppm	Roll Stock, Various Materials	Various sizes, Pillow Pouch and C-fold Pouch	Runs low cost films; Long-dwell sealing head produces hermetic seals
Hayssen - Logic Flex	Up to 85 PPM	Roll Stock, Various Materials	Various sizes, Doy, Quad seal, Tucked, Block Bottom Bag and Pillow Pouch	Variable inclination, between 25° and 55° allows the best relationship between packaging speed and product protection
Pearson Packaging - BI25 Bag inserter	Up to 25 Bags Per Minute	Poly	Various sizes	Fully automated Box erector, Bag inserter for bulk packaging lines.
Pearson Packaging - UC 15 Bag Uncuffer	Up to 15 Bags Per Minute	Poly	Various sizes	Fully automated Bag Uncuffing, folding and sealing of bag and case for bulk packaging lines.
<b>ARTYPAC AUTOMATION INC</b>	ARTY 80V	Up to 75 bpm	Roll stock, heat sealable OPP and laminations	Up to 7.5 in.W x 12 in.L
ARTY 130V	Up to 60 bpm	As above	As above	Up to 12 in.W x 17 in.L
ARTY 75H	Up to 350 bpm	As above	As above	Up to 8 in.W x 24 in.L
<b>AUTOMATED PACKAGING SYSTEMS INC</b> (In Canada: Pack Pro Systems, Inc. Stouffville, ON)	HB-65 PaceSetter Autobag	to 20 bpm	various	2-11.5" x 2-22"L
AB 180 Autobag	to 80 bpm	various	various	2-11"W x 2.5-22"L
AB 145 Autobag	to 45 bpm	various	various	3.5-11"W x 3.5-22"L
Autobag AB 255 Wide Bagger	to 55 bpm	various	various	4-16"W x 5-26"L
Autobag AB 255 Horizontal Wide	to 55 bpm	various	various	as above
<b>BOSCH PACKAGING TECHNOLOGY INC</b> (In Canada: Charles Downer & Co. Ltd., Richmond Hill, ON)	Doboy CBS-D Band Sealer	350° - 750° per min.	All heat sealable pre-made bag film	Pre-made bags, tube style or gusseted
Doboy CBS-DM Band Sealer - Medical	0° - 1000° per min.	All heat sealable pre-made bag film	All heat sealable pre-made bag film	Pre-made tube style bags of any size
Doboy B-550 Band Sealer	Up to 1000	All heat sealable pre-made bag film	All	Manual to semi-auto.
Doboy B-550M Band Sealer - Medical	Up to 1000°/min.	Medical grade polyethylene, thin foil, paper/polyester, Tyvek/Mylar films	All heat sealable materials, tube style or gusseted	As above
<b>CAM PACKAGING SYSTEMS</b>	CAM; 412	25 ppm	Polyethylene, polypropylene, laminated, shrink (Polyolefin), Stand up with zipper, 3 sided seal, recloseable, doypack (stand up pouch)	4"x5" up to 12"x16"; additional sizes upon request
<b>CHARLES DOWNER &amp; CO LTD</b>	Bosch PAUD	Full Range	All	All
<b>FORMOST FUJI CORPORATION</b> (In Canada: Abbey Packaging Equipment Ltd.)	Formost bread, roll, bun & variety baggers (5 models)	To 90 pm	Preformed wicketed bags-of PE, nylon or pp	To 14x24 in.
<b>GO PACKAGING</b>	Various makes and models available			
<b>HARLUND INDUSTRIES LTD</b>				

**BAG PACKAGING CLOSING, SEALING**

MAKER AND MODEL	SPEED	TYPES AND MATERIALS of bags	BAG SIZES	OPERATION
<b>EMPLEX Bag Sealing Equipment</b>				Semi Automatic
<b>HARPAK ULMA PACKAGING LLC</b>	ULMA - TFS	10-18 cpm	All	Various
<b>KWIK LOK CORP</b> (In Canada: British Canadian Importers (4 Western Provinces); KLR (PQ))	872	120/min.	Polyethelene	2-36 in. width
1002/1003	30/min.	As above	2-15 in. width	Automatic
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>	Bosch Doboy	1000°/min.	Heat Sealable	Infinite
<b>MATRIX PACKAGING MACHINERY LLC</b> (In Canada: Plan Automation, Orangeville, ON)	Matrix Packaging		Pre-Made Pouch	Hand Fed & Fully Automatic
<b>MULTIVAC CANADA</b>	Multivac Chamber & Belted machine models	2-4 cpm	Laminated barrier bas	Up to 1320mm x 820 mm
<b>OPTIMA MACHINERY CORP</b>	Optima Mini Bagger	10 ppm	PE/Wicketed	Semi-automatic
Bagstar II Slant	20 ppm	PE/wicketed	2x2 to 6x15	Semi-automatic
Bagstar IV Speed	25 ppm	PE/wicketed	3x8 to 11x21	Semi-automatic
<b>PACK RITE</b> (In Canada: CiMa-Pak Corporation, James Dawson Enterprises, Fladgate Packaging)	Band Rite 6000 Band Sealer	250-750	Heat sealable pre-made bags	Various
Pack Rite Jaw Sealers			Poly or Barrier Bags	various
<b>PEARSON PACKAGING SYSTEMS</b> (In Canada: Alex E. Jones and Assoc.)	BI18 Bag Inserters	18cpm	Poly bag roll stock	Varied
<b>PEMBERTON &amp; ASSOCIATES INC</b>	Tipper Tie casing stuffing/clipping system Model RS4202	To 20 5-lb packages pm	Shirred casings	Various
Tipper Tie turret system	Average 5000 lb ph	Fibrous casing	1 to 9 in. dia.	Semi-automatic
<b>PLAN AUTOMATION INC</b>	Matrix Mercury	Up to 300 bpm	All heat sealable films	2" - 15"
Toyo Jidoki	Up to 100 bpk	All heat sealable films	2" - 15"	Intermittent
<b>PLEXPACK</b>	MPS 6100, 6300, 6500, 6700	500 ipm	Poly's, wax type bags, coated papers, moisture barrier bags, laminated foils, multiwalled paper/medical bags.	All sizes
MPS 7100, 7500	750 ipm	Heavy duty polys, multiwalled paper bags	All sizes	As above
MPS 14000	1200ipm	Poly's wax type bags, coated papers; moisture barrier bags laminated foils, multiwalled, paper, medical bags	All sizes	As above
<b>PPI TECHNOLOGIES GROUP</b> (In Canada: Charles Downer & Co., Ltd, Richmond Hill, ON; Aesop Packaging Systems, Pointe Claire, QC)	PSG LEE	80	Laminate	4" to 14" W
PSG ABT	120	Laminate	Laminate	6" to 10" W
<b>PREMIER TECH CHRONOS</b>	Stonopak Pinch Bottom Bag Closer 90J		Open-mouth multiwall and woven PP bags	
<b>R J MACHINERY INC</b>	Pacemaker Model 624 Drop Sealer	30 bags per minute	Wicketed Poly Bags	24" W x 24" Long
Pacemaker Model 402 Bag Blower	30 bags per minute	Wicketed Poly Bags	24" W x 24" Long	Blow bag open & guide product into bag
<b>REISER CANADA CO</b>	Supervac GesmbH	Various	All	All sizes
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>	8300-24	To 20 ppm	Cryovac shrink bags	To 24 in. wide
8600 Series	To 60 ppm	As above	As above	To 18 in. wide
8610 Series	To 20 ppm	As above	As above	To 14 in. wide
8800-E14E	To 15 pp.	As above	As above	To 14 in. wide
<b>SPEEDWAY PACKAGING MACHINERY</b>	Greenpack Model FC-8224	Variable	Designed to handle pre-made pouches	110mm - 240 mm Width/150 mm - 350 mm Length
<b>STEELTEK A DIV OF 877418 ONT LTD</b> (In Canada: Impact Sales; R-J Machinery Inc; Ross Packaging Services; Paxiom Group, W-P-L Machinery Sales; MD Packaging Inc)	Steeltek ST-80	Fixed 590 ipm	Most	All
Steeltek ST80VS	Variable to 590 ipm	Most	All	Manual feed, portable table top
Steeltek ST225 w Conveyor	1000 ipm	Most	All	Manual Feed
Steeltek ST250 w Conveyor	1000 ipm	Most	All	Semi Automatic
Steeltek ST2215	1000 ipm	Most	All	Manual Feed Heavy Duty
Steeltek ST100	575 ipm	Most	All	Manual Feed
Steeltek ST200	575 ipm	Most	All	Manual Feed
<b>SUPERVAC MASCHINENBAU GMBH</b> (In Canada: Reiser (Canada) Ltd., Burlington, ON)	Supervac GesmbH	Various	All	All sizes
<b>TNA NORTH AMERICA INC</b>	TNA Robag 3ci	250 on single tube	OPP/BOPP	2-1/2 to 16-1/2 in.W
<b>TRIANGLE PACKAGE MACHINERY CO</b>	Triangle B108	140/min.	Poly & Supported	Up to 8"W x 14"L
Triangle B12	110/min.	As above	As above	Up to 12"W x 14" L
Triangle B32	110/min.	As above	As above	Up to 12"W x 20" L
Triangle B35	90/min.	As above	As above	Up to 15"W x 20"L
<b>WEIGHPACK SYSTEMS INC</b>	Xpdius Elite 1200 VFS	Up to 120/min	Roll Stock	3" - 12" W 2" - 16" L
Swiftly Bagger 1200, 3600	to 25/min - 1200 to 40/min - 3600	Pre-made, non-jacketed bags, all styles		1200 - 6"-12" W, 8" - 18" L; 3600 - 3.3" - 8" W, 6" - 11" L
Bingo Bagger	up to 25/min without gas flush	Pouches, stand-up bags		6" - 14" W 6" - 20" L
Bingo Bagger XL	up to 15/min	Pouches, stand-up bags		14" - 20" W 14" - 24" L
Vertek JR	Up to 70 cpm	Roll Stock		1" - 5.5" W 2" - 8" L
Vertek 750	Up to 50 cpm	Roll Stock		2" - 7.5" W 3" - 12" L
Vertek 1150	Up to 40 cpm	Roll Stock		2.5" - 11.5" W 4" - 18" L
Vertek 1600	Up to 30 cpm	Roll Stock		10" - 16" W 6" - 18" L
Vertek 2400	Up to 20 cpm	Roll Stock		16" - 24" W 9" - 36" L
VS Bagger	Up to 35/min	Pre-made wicketed bags, zipper bags, bags with handles		6"-14" W- 6" - 20" L
Zippy Bagger	Up to 35/min	As above		6"-14" W- 6" - 20" L
Zippy XL	Up to 15 cpm	As above		10"-20"W; 10" - 22" L
r2b 1200	Up to 65/min	Roll Stock		6" - 12" W; 8" - 18" L
r2b 3600	Up to 120/min	Roll Stock		3.5" - 8" W; 6" - 11" L

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**BAG PACKAGING OPENING**

MAKER AND MODEL	SPEED	TYPES AND MATERIALS of bags	BAG SIZES	OPERATION
<b>A P M CORP ALL PACKAGING MACHINERY DIV</b>				
APM SBP - 18	Up to 24 ppm	Wicketed	8-17 in. wide	Manual
APM SBP - 14	As above	Non-wicketed	4-12+ in. wide	As above
<b>ABBEY PACKAGING EQUIPMENT LTD</b>				
Bossar USA Inc. BCS PMP (Pre-Made Pouch) Series	60-120ppm	Various; Heat Seal	100x150 to 300x400	Full Servo Carousel machine for filling & sealing PMP with Automatic Change over
<b>CAM PACKAGING SYSTEMS</b>				
CAM; 412	25ppm	Polyethylene, polypropylene, laminated, shrink (Polyolefin), 3 sided seal, zipper, Doypack (stand up pouch)	4"x5" up to 12"x16";additional sizes upon request	Semi auto and automatic
<b>CHARLES DOWNER &amp; CO LTD</b>				
PSG Leepak	Various	All	All	Pre-made bagging system
<b>FORMOST FUJI CORPORATION (In Canada: Abbey Packaging Equipment Ltd.)</b>				
Formost Fuji GTS Bagger	Varies	Poly	Varies	
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>				
Massman	90 ppm	Heat Sealable	Large Size Range	Semi & Fully Automatic
<b>R J MACHINERY INC</b>				
Pacemaker Model 402 Bag Blower	30 bags per minute	Wicketed Poly Bags	24" W x 24" Long	Blow bag open & guide product into bag
<b>REISER CANADA CO</b>				
Supervac GesmbH	40/min.	All	All sizes	Semi Automatic
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>				
8189 taped bag loader Hor.	Based on infeed rate & operator efficiency	Cryovac shrink bags	To 16 in. wide	Manual
BL100 Series Hor.	15 ppm	Cryovac shrink bags	To 14 in. wide	Automatic
B125 Vertical	20 ppm	As above	7-9" wide	Automatic
B126 Vertical	20 ppm	As above	10-14" wide	Automatic
<b>SUPERVAC MASCHINENBAU GMBH (In Canada: Reiser (Canada) Ltd., Burlington, ON)</b>				
Supervac GesmbH	40/min	All	All sizes	Semi automatic
<b>TOYO JIDOKI (In Canada: Techno Pak Packaging Systems Inc., Ste-Julie, Quebec)</b>				
TOYO JIDOKI	15-250bpm	Preformed pouches		
<b>VC999 CANADA LTD</b>				
VC999 BL 420	20bpm	Taped shrink bags	Various	All automatic
<b>WEIGHPACK SYSTEMS INC</b>				
VS Bagger	Up to 35/min	Pre-made wicketed bags, zipper bags, bags with handles	6"-14" W 6" - 20" L	Automatic or semi-automatic
Zippy Bagger	Up to 35/min	as above	6"-14" W 6" - 20" L	as above
Zippy XL	Up to 15/min	as above	10" - 20" W 10" - 22" L	as above
Bingo Bagger	Up to 25/min	Pouches, stand-up bags	10" - 20" W 10" - 22" L	as above
Bingo Bagger XL	Up to 15/min.	Pouches, stand-up bags	14" - 20" W 14" - 24" L	as above
Vertek Jr	Up to 70 cpm	Roll stock	1" - 5.5" W 2"-8"L	Automatic or Semi Automatic
Vertek 750	Up to 50 cpm	Roll stock	2" - 7.5" W	as above
Vertek 1150	Up to 40 cpm	Roll stock	2.5" - 11.5" W 4"-18"L	Automatic or Semi Automatic
Vertek 1600	Up to 30 cpm	Roll stock	10" - 16" W 6" - 18" L	Automatic or Semi Automatic
Vertek 2400	Up to 20 cpm	Roll stock	16" - 24" W 9" - 36" L	Automatic or Semi Automatic
r2b 1200	Up to 65/min	Roll stock	6" - 12" W; 8" - 18" L	As above
r2b 3600	Up to 120/min	Roll stock	3.5" - 8" W; 6" - 11" L	As above

**BANDSTRETCH**

MODEL	TYPE OF FILM	SINGLE OR COMBINATION	TYPE OF SEALING	SPECIAL FEATURES
<b>BANDING SYSTEMS</b>				
BA24/15 - Arch Size: 240m x 150mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA32/20 - Arch Size: 320m x 200mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA40/25 - Arch Size: 400m x 250mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA48/30 - Arch Size: 480m x 300mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA64/35 - Arch Size: 640m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA80/35 - Arch Size: 800m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA96/35 - Arch Size: 960m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
Custom Arch Size Systems	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
<b>COUSINS PACKAGING INC (In Canada: Cousineau Packaging Inc.)</b>				
8100 Series	Stretch	Single layer or multiple layer	Pat down, heat seal	Manual - automatic systems End closure available
<b>GO PACKAGING</b>				
Akebond OB-360	Poly or poly/paper		Heatseal	High speed, moderate price
<b>PHOENIX STRETCHWRAPPERS</b>				
Breathe Easy stretch wrapping	Std stretch film	multiple bands of film applied at once	Heat seal	Pallet wrapping products that need breathing.
<b>PLAN AUTOMATION INC</b>				
Banding Systems	Plastic or Paper Band	Both single and combination banding	Heat seal	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>				
Meurer	Polyethylene	Both	Heat	60% stretch

**BARCODING & BARCODE SCANNING EQUIPMENT**

MAKER & MODEL	COMPATIBLE SYMBOLOGIES	OPERATION (Fixed mount, handheld, etc.)	FEATURES
<b>AHEARN &amp; SOPER INC</b>			
Accusort Mini-X Series II	1D (linear)	Fixed Mount	Omni directional bar code scanner, 300 sps Windows based configuration software.
<b>AUTOMATED PACKAGING SYSTEMS INC (In Canada: Pack Pro Systems, Inc. Stouffville, ON)</b>			
Autobag PI 412c Inline Printer	Multiple	Fixed mount	Thermal transfer, HR text, graphics & barcodes speed up to 12 ips.
<b>BARCODE GRAPHICS INC</b>			
Axicon 6015, 6515 & 7015 Series Barcode Verifiers	UPC/EAN, Code 128, Code 29, Code 93, GS1-128, GS1 Databar, ITF, ITF-14, Pharmacode	Hand Held with optional Fixed mounting	ANSI/ISO 1D Barcode Testing and Reporting
Axicon 12000 Series Barcode Verifiers	Data Matrix, GS1-Databar, QR & standard 1D symbologies	Desktop	ANSI/ISO 1D & 2D Barcode Testing and Reporting
TruCheck 100 & 200 Series Barcode Verifiers	UPC/EAN, Code 128, Code 39, Code 93, GS1-128, GS1 Databar, ITF, ITF-14, Pharmacode	Desktop	ANSI/ISO 1D Barcode Testing and Reporting
TruCheck 400 Series Barcode Verifiers	QR, Data Matrix, GS-Databar & standard 1D symbologies	Desktop	ANSI/ISO 1D & 2D Barcode Testing and Reporting
<b>HARLUND INDUSTRIES LTD</b>			
ID Tech 250 LPA	1&2D	Thermal Transfer	
ID Tech 150/220 RFID	RFID		
Microscan	as above	Fixed mount	
RIS	as above	Hand held	
Hitachi PX-260U	as above	Inkjet	
Hitachi PX-460U	as above	as above	
Foxjet	as above	as above	
Easyprint	as above	Thermal transfer	
<b>MATTHEWS MARKING SYSTEMS</b>			
Matthews Viacode T-Series	ITF, ITF-14, Code 39, EAN 8, EAN 13, UPC-A, PDF147, Code 128, GS1-128A & B, SCC14 Data matrix QR Code	Fixed Mount	High resolution inkjet case coding. Up to 4" message per head. Remote connectivity and effortless integration with ERP/MPR or WMS systems. Replace adhesive labels or pre-printed cartons. Brand on demand.
Matthews Coditherm	EAN-13, EAN 8, EAN-128, UPC-A Interleaved, Code 39, Code 128 (A,C), ITF-14, Paraf, HIBC 43, Binary, 2D matrix, PDF 417	Fixed Mount	Digital thermal transfer printing of variable data onto rigid materials. Barcodes, graphics, serialization, date, time, lot numbers, batch numbers. Up to 600 dpi.
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Marten, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>			

**BARCODING & BARCODE SCANNING EQUIPMENT**

MAKER & MODEL	COMPATIBLE SYMBOLOGIES	OPERATION (Fixed mount, handheld, etc.)	FEATURES
BC 5100 Bar Code Reader LogiComm Control System	Coabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC/EAN, Pharmacode, Bobst Code	Console & Scanner	Scans, verifies bar codes at up to 425m/min. easy installation, install on parent machines
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>			
PSG	Yes	All	Check all items
<b>SAMUEL PACKAGING GROUP</b>			
Toshiba TEC	All	Table Top	
Sato	All	As above	
Zebra	All	As above	
Datamax	All	As above	
Microscan	All	Fixed	
Datalogic	All	Handheld	
<b>SOURCE ID INC (In Canada: Source ID, Toronto, Winnipeg, )</b>			
Zebra, Toshiba, Sato, Datamax	UPC, EAN, 128, code 39, PDF, RFID		
<b>VALCO MELTON</b>			
Code Readers MS-911	Code 39, Codabar, Code 128, interleaved 2 of 5, Code 93, UPC/EAN/Pharma, OMR, AR, Datamatrix, Braille	Integrated or Stand-Alone	Easy Installation
<b>VIDEOJET TECHNOLOGIES</b>			
<b>Accusort Scanners</b>			
<b>VISUASCAN INC</b>			
Sick CLV Series	All symbologies	Hand held	
Motorola		Fixed & Handheld	
<b>WEBER MARKING SYSTEMS OF CANADA</b>			
<b>Motorola - Various Models</b>			
<b>ZEBRA TECHNOLOGIES CORP</b>			
Zebra High Performance - XI Series	All standard symbologies	Tabletop printer	ZebraLink real-time connectivity and control, 3.2 to 8.5 in. print widths.

**BLISTER PACKAGING**

MAKER & MODEL	PRODUCTS HANDLED	MATERIAL COMBINATIONS	PACKAGE SIZE MIN. TO MAX.	SPEED
<b>HARPAK ULMA PACKAGING LLC</b>				
ULMA - Unifers		PVC, CPET, APET	Various	
<b>HIBAR SYSTEMS LIMITED (In Canada: Inox Pumps &amp; Process - Div. of Hurricane Pump Distribution Inc, Saint-Laurent, QC)</b>				
BP-600	Batteries cigarette lighters, pens, hardware	PVC, PET card blister package	4" x 6"	150 blister cards per min.
Seal Less Ceramic	CMF - Continuous Motion Filling			
Seal Less Ceramic	IMF - Intermittant Motion Filling			
<b>MULTIVAC CANADA</b>				
R145	Food, Medical Consumer Industrial	All heat sealable materials	Up to 420x400mm	Up to 10 cpm
R245	As above	As above	Up to 560x640mm	Up to 15 cpm
R535	As above	As above	Up to 650x1300mm	Up to 22 cpm
<b>NJM PACKAGING</b>				
Pharmaworks	Tablets, Capsules	PVC/ALU, ALU/ALU	Max Blister format 130 x 80 mm to 220 x 290 mm	
<b>REISER CANADA CO</b>				
Repak	Various	All industry Standards	Various	Up to 15 cycles
<b>UHLMANN PACKAGING SYSTEMS L P</b>				
B 1880	Tablets/capsules, vials, ampoules, medical devices & kits, syringes	PVC, PVDC, PET, Adiar, AU	280x284mm	Up to 1300bpm
<b>VC999 CANADA LTD</b>				
RS i-Series	PA/PE/PET/PVC	PE Sealant		

**BLOWMOLDING**

MAKER AND MODEL TYPE	MATERIALS HANDLED	PRODUCTS MADE, MAX. SIZE	DRY CYCLES PER MIN.	FEATURES
<b>KRONESMACHINERY CR LTD</b>				
Contiform 3	PET	From 0.1L bottles up to 3.5L bottles	Up to 81,000 bottles per hour	Low energy consumption ease of operation and maintenance. Saving compressed air, saving working time
Contiform 3	Heat Set PET	Up to 3.5L bottles	Up to 58,500 bottles per hour	
Contiform 3	Nitro Hotfill	Up to 3.5L bottles	Up to 63,000 bottles per hour	
Contiform	AseotBloc	PET	Up to 3.5L bottles liter	Up to 48,000 bph
Contipure		Sterilization of Preforms		Depending on Contiform
ErgoBloc	L	PET		Up to 81,000 pbh
PET Bottle-to-Bottle Recycling Plant	Turnkey system - Compact Bottle-to-Bottle Recycling Lines for Converters and Bottlers.	Post consumer PET Bottles	Output range of 500 kg/h or 1,000 kg/h	Output range of 500 kg/h or 1,000 kg/h
PreformCheck Air Wizard air-recovery		Inspection of PET Preforms for defects	To suit specific blowmolder applications	Build to suit Contiform
PET-View Inspection		Camera inspection of PET containers for defects	To suit specific blowmolder applications	Build to suit
Contiform FlexWave	Beverages - 8 cavity only	PET microwave technology, multiple colors		Integrated at preform infeed rail recovery of low and high pressure air for reuse.
				Integrated at blowmolder discharge starwheel

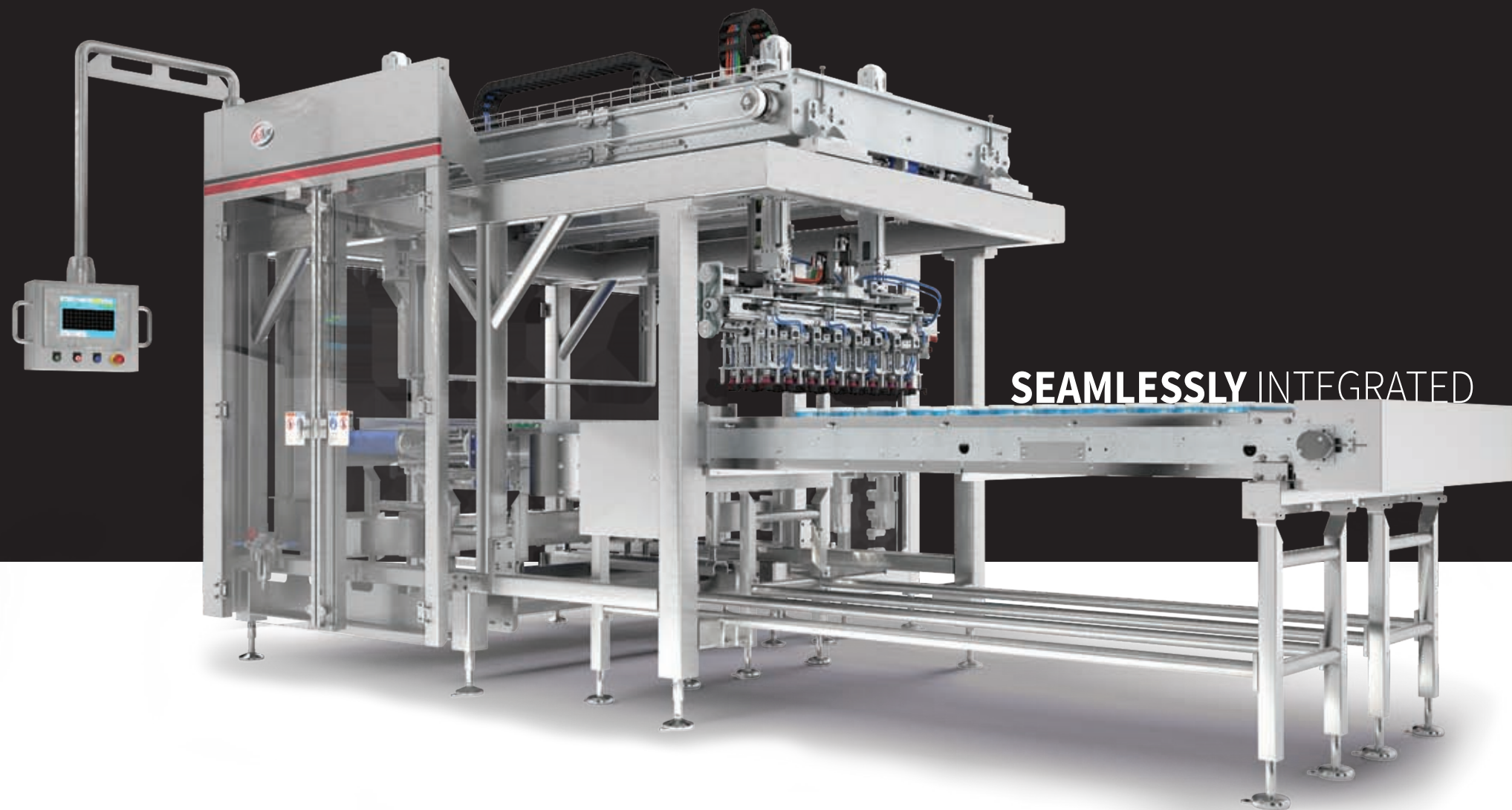
**BOTTLE CAPPING, SEALING**

MAKER AND MODEL SPEED	TYPES OF CLOSURES	CAP max. diameter	CONTAINER max. size	FEATURES
<b>AESUS PACKAGING SYSTEMS INC (In Canada: Ross Packaging, Delta, BC)</b>				
DELTA Cap 1	up to 90 bpm	All screw on closures including CR	120 mm dia.	Up to 6-1/2"
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
PackWest - In-Line Capper	Up to 300cpm	Round, Metal, Plastic, Press On, Push On Cap, Laundry Pour Back Caps	Various sizes	Various Sizes
PackWest - In-Line Fitment Placer & Capping	Up to 300cpm	Round, Plastic, Press On, Push On Cap	Various sizes	Various Sizes
PackWest - Torquer	Up to 300cpm	Round, Metal, Plastic, Laundry Pour Back Caps	Various sizes	Various Sizes
PackWest - Rotary Capper	Up to 400cpm	Round, Metal, Plastic, Laundry Pour Back Caps	Various sizes	Various Sizes
Fowler ZALKIN - TM - 200	Up to 40 cpm	Screw Cap or Push On Cap		Electric Height Adjust, Steam or Nitrogen injection
Fowler ZALKIN - CA Series Capper	Up to 1000 cpm	Screw Cap and Push on Cap		3 to 24 head rotary capping machine
Fowler ZALKIN - TM - 125	Up to 58 cpm	Aluminum Cap		Single Head Capper, available with Steam or Nitrogen injection
Fowler ZALKIN - TM-3	10 - 20 cpm	Crew Cap and Push on Cap		Semi-Automatic Single head machine
Fowler ZALKIN - TM - 150	Up to 40 cpm	Aluminum Cap		Single Head Capper, available with Steam or Nitrogen injection
<b>AROL USA (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
AROL Quasar	50-900bpm	Corks	150mm	Straight/Mushroom
AROL Saturno	50-900	Corks	150mm	Straight/Mushroom
AROL Kamma	50-900	Corks		Plastic Mushroom/T-Shaped Natural
AROL Gemini	to 50bpm max	Corks		Straight/Mushroom
AROL Reverse	50-900	Al Roll On, ROPP		from Glass/PRB/De-Cap Plastic
AROL Eagle VA	to 50	Al Roll On		Glass/PET/PVC
AROL Eagle VP	to 50	Pre-Threaded		Glass/PET/PVC
AROL Eagle PK	to 50			Glass/PET/PVC
<b>BERTOLASO SPA (In Canada: Newmapak Ltd)</b>				



# DELKOR D SERIES CASE PACKER

## PICK DIRECTLY FROM FILLER BED



SEAMLESSLY INTEGRATED

**COMPACT • SEAMLESS • DIRECT**

### Direct from the Source.

The Delkor Flex Loader D Series picks containers directly from the filler and conveniently loads into a wide range of shipping cases, crates and trays. An excellent alternative for tight spaces & new installations. A simple, clean design with no product infeed allows the D Series to minimize floorspace requirements.

To learn more go to <http://www.delkorsystems.com/equipment/delkor-d-series-flex-loader>.



[www.delkorsystems.com](http://www.delkorsystems.com)

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**BOTTLE CAPPING, SEALING**

MAKER AND MODEL	SPEED	TYPES OF CLOSURES	CAP max. diameter	CONTAINER max. size	FEATURES
Bertolaso SPA	Up to 1000 bpm	All types of closures			Single Head Cappers, Turrets, Free Standing Rotary Cappers to handle a wide range of caps, corks and crowns
<b>* CAPMATIC LTD</b>					
Capmatic Super Jolly	60 bpm	All types	89 mm	1 gal.	Pick & place
Capmatic Jolly Crimp	60 bpm	R.O.P.P. crimp	38 mm	1000 ml	Star wheel
Capmatic Alpha 144	120 bpm	As above	38 mm	Monoblock	
Capmatic Rebel 50/100	60-120 bpm	Plug & cap all types	40 mm	500 ml	
Capmatic Road Runner 180-4-6-6	60-200 bpm	All types	80 mm	120 mm	Continuous movement motion
Capmatic Road Runner 300 M-4-6-8-10-12	60-300 bpm	All types	120 mm	230 mm	As above
Capmatic Road Runner Pharma		Aluminum seal	32mm	10mm	Continuous motion
Capmatic Beltstar In-line	Up to 350bpm	Cap & retorquer			
<b>DJS ENTERPRISES</b>					
DJS 6 Spindle Capper	100 pbm	Screw caps	8mm - 89 mm		Conveyor end cap feeder
DS 200A Cooper	60-150 pbm	Screw caps	10mm - 98mm		Cap Elevator and Conveyor
New DJS 12 Lane Multi Channel Tablet-Capsule Counter Model DJS-100A	Up to 50 Bottles per minute at a 100 count				
<b>FEED SYSTEMS INC (In Canada: Newmapak Ltd)</b>					
Model A6	up to 300 pbm	13m to 120 mm all types	to 120 mm	to 2.5 gals	No change parts
AM-250	up to 600 bpm	13 mm to 120 mm all types	to 120 mm	up to 2.5 gals	No change parts
<b>FERRUM (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>					
Ferrum F4	40 to 360 cpm	Round Cans	200-601	102 to 914 Ht	Beverage
Ferrum F5	210 to 625 cpm	Round Cans	200-401	102 to 914 Ht	Beverage
Ferrum F6	250 to 750 cpm	Round Cans	200-315	102 to 914 Ht	Beverage
Ferrum F8	330 to 1,000 cpm	Round Cans	200-214* (*Body only)	102 to 914 Ht	Beverage
Ferrum F12-2	580-1,750	Round Cans	50-73mm	88-212mm	Beverage
Ferrum 400 Series	3-12 Head (60-1,200cpm model dependent)	Round Cans	200-401 (50-100mm)	to 914 ((255mm)	Food - Electronic Sync Filler Drive System
<b>FILAMATIC (In Canada: Bellatrix, Pointe-Claire, QC)</b>					
Filamatic	Up to 50 cpm	screw caps, plugs, stoppers	65 mm	gals	Servo torquing adj. gripper chuck
<b>GEBO CERMEX CANADA INC</b>					
AIDLIN PREMIER	600cpm	Flap caps			Hopper Orientor Elevator, Patented Aidlin BIC "waterfall system" same as above
AIDLIN 24	2,000cpm	Flat caps plastic lightweight or metal			
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>					
Kaps-All E4, A6, C8 Portable Spindle Cappers	5 to 300bpm	Handles caps of all materials and most styles from 8mm to 120mm	Caps max dia.: 120mm. Container from vials to gallon		No change parts
Automate - induction sealer AM-250	Up to 300bpm	All styles	Container from vials to gallon		Waterless sealer
<b>* KRONESMACHINERY CR LTD</b>					
Krones Capper	Up to 1200 bpm	Metal and Plastic	Inquire	Inquire	
Krones Crowners KK	72,000 bph	Crown	Inquire	Inquire	
Krones Corker		Natural and sythetic cork	Inquire	Inquire	
Krones roll-on closing system	Custom Speed Range	ROPP	Inquire	Inquire	
Krones Rotomat Decapper	70,000 bottles/h	Metal and Plastic	Inquire	Inquire	
<b>NEW ENGLAND MACHINERY INC</b>					
NERCC	700 cpm	CT, CR, TE	110	1 gal	Hopper/elevator cap sorter, rotary chuck capper
<b>NJM PACKAGING</b>					
UniCap 150	up to 150bpm	Screw & Snap Caps	3" dia	6 1/4" dia x 12" high	Variable speed
Beltorque® In-Line Capper	up to 300bpm	Screw & Snap Cap	3" dia	7" dia x 12" high	Synchronized belts to tighten caps without damage to cap
<b>PILLAR TECHNOLOGIES</b>					
Foiler	To 300 fpm plastic (foil laminate seals to plastic bottles)	Induction seals foil to seal	Up to 120 mm	No limit	Universal coil, deluxe coil support, remote control panel.
<b>* PLAN AUTOMATION INC</b>					
Surekap	Up to 100 bpm	Screw & press-on	120mm		
WeightPack	Up to 500 ppm	Screw and ROPP	110mm	Up to 2 litre	Servo controled torque
<b>R J MACHINERY INC</b>					
Pressmatic	120 cpm	Press-on caps	89 mm		Also works as PS spot label station
Air-operated cap tightener	50 cpm	Screw caps	89 mm	4 litre	Conveyor indexer c/w gripper
<b>ROBINO &amp; GALANDRINO (In Canada: Newmapak Ltd.)</b>					
Robino & Galandrino Wirehooder Rekord	4,000 up to 25,000bph	Metal wirehood			
Robino & Galandrino Wirehooder Vittoria	1,500 up to 3,000bph	"			
Robino & Galandrino Cap Distributor Astra	Single up to 9,000bph, Multihead up to 21,000bph	"			
Robino & Galandrino Fenix	2,000 up to 6,000bph	"			
<b>SEPTIMATECH GROUP INC</b>					
RXNT Change Parts, Standard OEM Change Parts, Feed Screws, Stock Parts					
<b>SPEEDWAY PACKAGING MACHINERY</b>					
Speedway CT90	to 30 bpm	CT, CRC	120 mm	150 mm	Efficient table top capper
Packleader CP-101 inline chuck	to 40 bpm	CT, CRC, ROPP	89mm	120mm	Positive container handling
SureKap SK6000 inline	to 150 bpm	CT, CRC, Snap Cap	89mm	6" wide	Portable, SS frame
Speedway CT90CA	up to 36 bpm	CT, CRC	120mm	150mm	In line capping
Y-FANG ET-R6	60/min	Conduction			Conduction Sealer

**BOTTLE CLEANERS**

MAKER AND MODEL	PRODUCTS	OPERATION	SPEED	FEATURES
<b>BERTOLASO SPA (In Canada: Newmapak Ltd)</b>				
Bertolaso SPA	Rotary Bottle Rinsers	Rotary Rinsers that grip the bottles by their necks and invert them for the cleaning process	Up to 1000 bpm	Can rinse using Sterile Air, Inert Gas, Steam, Water, Product,
<b>* CAPMATIC LTD</b>				
CleanStar SS		Vacuum aspirator with HEPA filter		
<b>DESCON CONVEYOR SYSTEMS</b>				
Low level gripper rinser	PET, Glass, Metal	Fully Automatic	50-1200bpm	Clean design, fully automatic operation, quick changeover
<b>FEED SYSTEMS INC (In Canada: Newmapak Ltd)</b>				
Model AC-35	All types	Straight line continuous motions	up to 150 bpm	no change parts, ionizing, inverting and positive vacuuming
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>				
Kaps-All Clean-N-Vac AC-35		Remove dust, dirt and foreign matter. Use combination ionized air and highly efficient vacuuming.	Slow-medium and high speed	Bottle range from 4" dia. - 7" dia. high
Kaps-All Clean-N-Vac AC 65		Remove dust, dirt and foreign matter. Use combination ionized air and highly efficient vacuuming.	Slow-medium and high speed	6.5" dia. to 12" dia. high
<b>MCBRADY ENGINEERING INC</b>				
Model 100	Any Ridged container	Automatic	100 bpm	25 in. line space required
<b>NEWMAPAK LTD</b>				
Newmapak Ltd	Inline Rinser Inverter		Up to 350 bpm	Rinse with Ionized Air, water, chemical, etc
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>				
ILAR In Line Air Rinser	Glass or plastic	In line	Up to 150	Uses ionized air
RAR Rotary Air Rinser	Glass or plastic	Rotary	Up to 300	Uses ionized air
<b>PAXTON PRODUCTS (In Canada: Eckert Machines, 3841 Portage Rd., Niagara Falls, Ontario, L2J 2L1)</b>				
Compact, Oil-free Blowers, Air Knives & Air Knife Drying Systems		High speed drying. Airflows to 2400 cfm, air pressures to 130" H2O(g)	Any	Advanced, energy efficient design, FDA compliant
<b>* PLAN AUTOMATION INC</b>				
Bevco 150	Rinsers, Combiners, Lowerators	Continous	Up to 600 cpm	
<b>R E MORRISON EQUIPMENT INC</b>				
Adamark Air Knife Cleaning Systems	Cans, bottles air rinser	Blower driven air knife with static elimination	As required	Oil-free warm dry HEPA quality air, compact blower
<b>SEPTIMATECH GROUP INC</b>				
RXNT Change Parts, Standard OEM Change Parts, Feed Screws, Stock Parts				

**BOTTLE DRYING**

MAKER & MODEL	PRODUCTS	OPERATION	SPEED	FEATURES
<b>ECKERT MACHINES INC</b>				

**BOTTLE DRYING**

MAKER & MODEL	PRODUCTS	OPERATION	SPEED	FEATURES
Paxton Drying Systems	Air knives, spyder manifolds and cone air delivery systems; ionizing systems			
Paxton Products various models available to suit application.				
<b>NEWMAPAK LTD</b>				
Newmapak Ltd	Air Knife Drying system	Self contained system that is used to dry bottles prior to bottle labelling	up to 600 bp	Independent system that mounts onto existing line or part of new line design
<b>PAXTON PRODUCTS (In Canada: Eckert Machines, 3841 Portage Rd., Niagara Falls, Ontario, L2J 2L1)</b>				
Compact, Oil-free Blowers, Air Knives & Air Knife Drying Systems		High speed drying, airflows to 2400 cfm, air pressures to 130" H2O(g)	1500 per min.	Advanced, energy efficient design, FDA compliant
<b>R E MORRISON EQUIPMENT INC</b>				
Republic Blower Systems	Cans, bottles, food packs	Air knife drying system	Cans up to 1,400 pm; bottles to 680 pm; food trays to 60 pm	Energy savings, turnkey system, compact, low noise
Adamark Air Knife Drying	Can bottles complete conveyORIZED stand alone unit			Model 301 complete dryer package with enclosure
Food Package/Pouch dryer Brand Model 302	Shrink tunnel exit dryer of packages/pouches	Continuous enclosed drying unit	as required	Self contained conveyORIZED system with VFD belt drive blower enclosure base air knife enclosed with drip pan
<b>SEPTIMATECH GROUP INC</b>				
RXNT Change Parts, Standard OEM Change Parts, Feed Screws, Stock Parts.				
<b>STANMECH TECHNOLOGIES INC</b>				
Unheated Air Knife Drying Systems			All speeds	Energy efficient, cost effective
Heated air knife drying systems				

**CARTONING**

MAKER AND MODEL	TYPE	OPERATION*	STYLE	CARTON SIZE	SPEED	FILLING	FEATURES
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>							
Pearson Packaging - CS Series Case Sealers	Automatic	C,S	RSC, CSSC(AFM), FOL	Various Sizes	From 25 cpm to 40 cpm	Manual or Automatic filling	Best in class, Hot melt or Tape closure, PackML Compliant
Pearson Packaging - BI25 Bag Inserter	Automatic Bag Inserter	In, L	RSC, HSC,	Various Sizes	Up to 25 bpm	Manual or Automatic filling	Fully automated Bag Inserter for bulk packaging lines
Pearson Packaging - TF Series Tray Former	Automatic Tray Former	F	Flat Blank	Various Sizes	Up to 35 Trays per minute	Manual or Automatic filling	Best in class, Hot melt closure, Flexible and fast change-over features
Pearson Packaging - UC 15 Bag Uncuffer	Automatic Bag Uncuffer	C, S	RSC, HSC,	Various Sizes	Up to 15 bpm	Manual or Automatic filling	Fully automated Bag Uncuffer for bulk packaging lines
<b>BEST PACKAGING SYSTEMS</b>							
Combi Case Erectors		Custom per application			Up to 30cpm		
Combi Alphapak Pick & Place		Custom per application			Up to 12cpm	Fully automatic	Small foot print
Combi Drop Packer		Custom per application			Up to 17cpm	Fully automatic	
<b>BIVANS CORPORATION</b>							
50 Series	Horizontal or Vertical	F, O, C	Continuous	7/8x3/8x1-1/4 to 5x3-1/2x12	60	Manual	Modular carton erector/former, portable, easy changeover
70 Series	Vertical	F, O, C, L	Continuous		120	Autoload optional	Fast speed for either manual or autoload
<b>BLUEPRINT AUTOMATION INC (In Canada: Flexi-Pack Machinery Solutions; Techno Pak)</b>							
Remote Case Erectro (RCE)		In-line or right-angle	varied		15cpm(erect and tape seal)	Sld. Auto changeover, double-stripping from other blanks	
<b>BOSCH PACKAGING SYSTEMS AG PAAL (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>							
Elematic 1000	Horizontal	Indexing	6, 9 & 12	70-260mm L			Quiet, gentle operation
HC-CBI	Cartoner		inch vers. hotmelt or tuck-in	40-130mm W 110-350mm H			Touch screen operation. Modern servo drives.
<b>BOSCH PACKAGING SYSTEMS AG SIGPACK (In Canada: Charles Downer Co. Ltd., Richmond Hill, ON)</b>							
TTL-1		Cartoning Toploading	3 seal		800 products/min. 120 trays/min		Gentle handling by feeding wheel
TTF	Hot melt, Hor	F	3 seal	Various	30-120 cartons/min		Single & dual
TTL	Top Load	L	3 seal	Various	1000 loads/min		Two axis robot
TTC	Hot melt, Hor	C	3 seal	Various	120 cartons/min		Tray turning with servo controlled tray aligning
TTL1	Top Load integrated	F, L, C	2 seal	Various	700 loads/min 45 cartons/min		Compact & Flexible
TTM-1	Top Load integrated	F, L, C	3 seal	Various	1000 loads/min 80 cartons/min		Gentle handling by feeding wheel
TTM-2	Top Load integrated	F, L, C	3 seal	Various	1500 loads/min 150 cartons/min		Gentle handling by feeding wheel
<b>BRADMAN LAKE INC</b>							
HS	Carton / Tray Erector - mechanical	Erector operating up to 60 strokes per minute. Glue, turn-over-end and four corner lock options.	Carton/tray former	Wide range	Erector operating up to 60	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	In cartoning the Bradman Lake name is synonymous with quality and efficiency
HSS	Carton / Tray Erector - servo driven	Erector operating up to 75 strokes per minute. Glue, turn-over-end and four corner lock options.	Carton/tray former	Wide range	up to 75 strokes per minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
IL120 / IL180 / IL250	Three flaps carton closer - in-line	Top load carton closer with flexible fingers carton control and turn correction system	Straight line carton closer	Wide range	up to 120 / 180 or 250 cpm.	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
RA60 / RA90 / RA120	Carton Closer - right angled	Right angled three flap carton closer combining high speed and space saving design.	Three flaps carton closer	Wide range	up to 120 cartons per minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
SF120	Single Flap Carton Closer - fully automatic	Inline flightless closer with large size range and speeds up to 120 cartons per minute.	Single Flap Carton Closer	Wide range	up to 120 cartons per minute.	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
SL80/802	End Load Cartoner - semi-automatic	Reliable, rugged semi-automatic hand load cartoner	End Load Cartoner	Wide range	up to 80 cartons per minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
SL904/906	End Load Cartoner - fully automatic	High speed servo driven continuous motion cartoners.	End Load Cartoner	Wide range	up to 180 or 225 cartons / minute.	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
SL50	End Flap Sealer - hand fed	A small footprint, inexpensive end flap sealer ideal for small production runs	End Load Cartoner	Wide range	up to 50 cartons per minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above



CARTONING							
MAKER AND MODEL	TYPE	OPERATION*	STYLE	CARTON SIZE	SPEED	FILLING	FEATURES
SW702	Sleeve - fully automatic	Wrap-around sleeve	Wrap-around cartoner	Wide range	speeds up to 120 sleeves / minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
SL902/903	End Load Cartoner - fully Automatic	Fully-automatic machines with speeds	End Load Cartoner	Wide range	speeds up to 90 or 130 cartons per minute	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	As above
<b>* CAPMATIC LTD</b>							
Capmatic Carton Star 200	Horizontal	Continuous	Hot melt or closing flap	A - 20-95mm B - 12-70mm C - 70-230mm	300	All types	Pharma Design
Capmatic Carton Star 100	Horizontal	Intermittent	Hot melt or closing flap	A - 15-90mm B - 12-70mm	100	All types	Pharma Design
CartonStar V106	Horizontal			Sm-Med	100cpm		
CartonStar V108	Vertical			Various	60cpm		
<b>CELPLAST PACKAGING SYSTEMS</b>							
Arpac Masters	Case & tray erectors	Box, case & tray erector		Various	Various		www.arpac.com
<b>CHARLES DOWNER &amp; CO LTD</b>							
TMI	Horizontal & Vertical cartoners	Fully automatic & Hand Load	All	All	Up to 1,400 min	Scales, volumetric, auger	Fast changeovers, Flexible no change bucket design
<b>CONSOLIDATED TECHNOLOGIES INC</b>							
HC 120		D.C.S.	Hor.	Wide range	to 120 cpm	Manual	St-ST construction
HC-3200		O.In.L.C.S	as above	as above	to 80cpm	Auto	as above
HC-4100		F.O.In.L.C.S	as above	as above	to 300cpm	as above	as above
VDC 2900		In.L.C.S	Vert.	as above	to 120	Auto	as above
Tri-Seal Former TSF 60		In.L.C.S	Variable	Variable	Variable	Manual or Robot	Compact Monohull Frame
<b>* DELKOR SYSTEMS INC (In Canada: Abbey Packaging Equipment Ltd)</b>							
Delkor Trayfecta Series Formers	Forms cartons, cases, and trays	Glue, lock-style, or fold-over end	1-4 forming heads	Up to 42" x 50" blanks	Up to 200 cpm		Simple 3-minute tool-less changeover. Ability to share tooling between machines. Ultra rigid & precise forming assembly allows machine to run paperboard and corrugated materials.
Delkor Capstone Series Closers	Tri-Seal, Harness Style, Flange-Seal, Cabrio Case	Servo-driven		Up to 15" wide	Up to 150 cpm		Delivers perfectly square cartons with Intelligent Positioning Technology
Delkor C-Series Robotic Loader	Collation - based robotic cell	Multiple servo-axis collator with delta robot	Top-Load	Up to 15" wide	Up to 500 packages per minute		Automatic clearing of defective products keeps this loader running through various product defects. Stainless steel construction & available with full washdown specs
Delkor V-Series Robotic Loader	Vision-based delta robotic cell	Single or multiple delta robots	Top-Load	Up to 15" wide	Up to 250 packages per minute		Available with multi-pick tooling for high speeds, washdown available, integrates with Delkor Trayfecta Formers and Delkor Capstone Closers for a complete Delkor system.
<b>ECONOCORP INC (In Canada: Arpac Packaging; Marpak Packaging Systems &amp; Flexi-Pack Machinery Solutions)</b>							
Mini Monoseal	Flap Gluer	C, S	Carton flaps	1 x 1in. to 12 x 4 in.	Operator dictated	Manual	Simple & portable
E-System 2000	Horizontal	F, I, C, S	End-load	1x3/4x2-1/2 to 2x4x12 in.	25 cpm	Manual or auto load	Stainless steel
Econoseal Spartan	Horizontal	F, I, C, S	Folding & corrugated	2x1x5 to 10x4x12 in.	40 cpm	Auto load	Mechanically driven, stainless
Pegasus	Horizontal Flexible	F, O, I, C, S	End load	2x3/4x5 to 8x3x12 in.	120 cpm	Auto or Manual	
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>							
Econocorp Twin Seal, E-2000, Spartan, Pegasus, Econo-60 & T System	End Load/Top Load Systems	F, O, In, C, S	Semi Auto, Intermittent & Continuous Motion	Varies per model	Up to 120 cpm		SS Construction, Economical solutions, Small Footprint
<b>* HARLUND INDUSTRIES LTD</b>							
Econocorp		Semi Automatic					
<b>HARPAK ULMA PACKAGING LLC</b>							
RAMA	Batpack	Sleeve			up to 200/min		Fully electronic
<b>ILAPAK INC</b>							
Cayenne							
<b>KLIKLOK WOODMAN (In Canada: Propack Processing &amp; Packaging Systems Inc.)</b>							
Kliklok TransFormer	Former	F	Topload-Glue &/or Lock	16"Lx to 8"W	120 cpm	Topload	Lock &/or Glue Ergonomic
Kliklok ECT-625	Former	F	Topload-Glue	17 3/4"L to 10 13/16"W	65 cpm	Topload	Remarkable Carton Control

CARTONING							
MAKER AND MODEL	TYPE	OPERATION*	STYLE	CARTON SIZE	SPEED	FILLING	FEATURES
Kliklok Genesis	Former	F	Topload-Lock	16 3/4"L to 9 3/4"W	75 cpm	Topload	Fast & Large Carton Range
Kliklok KFW	Former	F	Topload-Lock	13"L to 8"W	90 cpm	Topload	Multi-head Workhorse
Kliklok SR4W	Former	F	Topload-Lock or Glue	28"L to 12"W	60 cpm	Topload	Multi-head Large Carton
Kliklok Vari-Right	Closer	C,S	Tri Seal	15"L to 12"W to 5"D	120 cpm	Topload	Infinite Variable Compact
Kliklok Vari-Straight	Closer	C,S	Tri Seal	15"L to 12"W to 5"D	200 cpm	Topload	Variable Fast Straight Line
Kliklok Vari-Pitch	Closer	C,S	Tri Seal, Tuck, Flange	12"L to 12" W to 5"D	120 cpm	Topload	Flap Tuck or Seal
Kliklok Enterprise	Horizontal	In,C	Endload	11"L to 3 15/16"W to 13 1/2"D	150 to 200 cpm	Endload	Bag-n-Box, Article Bucket, Centerline Design
Kliklok Celox	Horizontal	In,C	Endload	11"L to 3 15/16" W to 12"D	250 to 325 cpm	Endload	Frozen Entree High Performance
Kliklok Celox HP	Horizontal	In,C	Endload	14"L to 4 1/4" W to 15"D	180 cpm	Endload	Pizza Large Carton Format
Kliklok SFR	Horizontal	In,C	Endload	10 1/4"L to 3 15/16"W to 13 3/16"D	135 cpm	Endload	Small Footprint Flexible Infeed
Kliklok Eco Sleeve	Horizontal	In,C	Endload	11 13/16"L to 8 11/16"W to 2 15/16"D	100 cpm	Endload	Open Ended Sleeve - Ready Meals
Kliklok Certiwrap 150	Horizontal	L,S	Wraparound	10 5/8"L x 19 5/8"W	150 cpm	Wrap	Wide Range of Products
Kliklok Certiwrap 80	Horizontal	L,S	Wraparound	10 5/8"L x 19 5/8"W	80 cpm	Wrap	Economical
<b>* KRONESMACHINERY CR LTD</b>							
Variocart C-40	RSC corrugated cartons				Inquire	8 - 40 cartons/min	
Variocart C-50	RSC corrugated cartons				Inquire	15 - 50 cartons/min	
Variocart CM-40	RSC corrugated carton				Inquire	8 - 40 cartons/min	
Variocart carton lid sealer	RSC corrugated cartons				Inquire	60 - 120 packs/min	
<b>LANGEN PACKAGING INC</b>							
C-1000	Autoload Hor.	F,O,In,C,S	end load			180 cpm	Open design, Carton Pre-break, Servo Driven, Variety of Infeeds.
Chinook	Autoload Hor.	F,O,In,C,S	end load			500 cpm	Stainless Steel, Continuous Motion, Rotary Carton Feeder, Servo Driven
B1-M	Manual Hor.	F,O,C,S	end load			120 cpm	Continuous or intermittent motion, tuck or glue, rotary carton feeder
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>							
Bosch/Massman		FOCS	Top & Side	Large Range			Wide Variety of Options Turn Key Lines
<b>MASSMAN AUTOMATION DESIGNS LLC</b>							
Massman Automation							
<b>PEMBERTON &amp; ASSOCIATES INC</b>							
Futura		F, O, In, L, C, S					
<b>PINEBERRY MANUFACTURING INC</b>							
Pineberry HSF Series Friction Feeder	Servo		Leaflet insertion, Collation systems	Vertical or Horizontal	Up to 28"	Up to 500 per minute	
<b>* PLAN AUTOMATION INC</b>							
Douglas Machine	Horizontal	Intermittent			2" - 15" Pitch	200 cpm	Automatic loading
<b>PROPACK PROCESSING &amp; PACKAGING SYSTEMS INC</b>							
Propack	Robotic Loader	In	Top Load End Load	110mm x 80mm x 25mm 508 x 330mm x 250mm		to 160 cpm	ABB Robot, A-B Controls
<b>SCHNEIDER PACKAGING EQUIPMENT CO INC (In Canada: Garth Dangerfield)</b>							
RCCL	Vertical	F, O, Fi, C, S	Interm			Wide range	
<b>SPEEDWAY PACKAGING MACHINERY</b>							
SPM-553S	Case Sealer				max. 19.7W/19.7 H	2400 carton per hour	Side belt drive
SPM-554TS	Case Sealer				max 19.7W 19.7 H	66'/min	Top and side belt drive
SPM-553SFTB	Case Sealer				6" and up L x 4.75" - 19.5" W X 3.34" - 19.5H	2400 cartons per hour	Side Belt Drive
SPM-557F	Case Sealer				Max. 19.7W/H X 27.6L	66'/min	Side Belt Drive
SPM-558F	Random Case Sealer				L300 - 500 x W 200 - 500 x H 160-500mm	66'/min	Side Belt Drive
SPM 562M	Mini Case Sealer				Max 7.9" w/h - any length	1200 cartons per hour	Side Belt Drive
<b>TISHMA INNOVATIONS LLC (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>							
Tishma	Vertical & horizontal Cartoners	Semi & Fully Automated systems	Tuck Glue, Cable & All sizes Flip-tops, etc.			Up to 1000 cpm	Volumetric scales, robotics etc.
<b>TRIANGLE PACKAGE MACHINERY CO</b>							
Triangle Flex 1	Horizontal Bag-In Box	Intermittent			Up to 9"L x 7"W x 13"D	100cpm	belt load Small footprint
<b>TRINAMICS INCORPORATED</b>							
TR2000ML, AL, ALX	Horizontal Cartoner	O,I,C,S	Knocked down		various	to 120 cpm	Manual & auto load cartoner Powerful, safe coding, gluing Upgradable to A/L Shaft driven
TR2000SW	Sleeve	F,C,S	W/Around		Various	120 / min	Bowls, foil top cups
<b>UHLMANN PACKAGING SYSTEMS L P</b>							

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**CARTONING**

MAKER AND MODEL	TYPE	OPERATION*	STYLE	CARTON SIZE	SPEED	FILLING	FEATURES
T2060	Top loader	F,O,In,L,C,S	Top load	250x210x15mm max	80cpm	Automatic	cGMP compliant

**CASE PACKAGING**

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
<b>3M CANADA INC</b>				
a20	6"-no limit L x 6"-21.5"W x 4.75"-21.5"H max	Up to 30 cpm	Semi-Automatic, Adjustable	Bottom belt drive; 2" AccuGlide II+ taping heads
a70	6"-no limit L x 6"-21.5"W x 4.75"-21.5"H	up to 30 cpm	Semi-Automatic, Adjustable	Upper & Lower belt drive; 2" AccuGlide II+ taping heads
r70	6"-no limit L x 6"-21.5"W x 4.75"-21.5"H	up to 15 cpm	Fully Random	Upper & Lower belt drive; 2" AccuGlide II+ taping heads
a80	6"-no limit L x 6"-21.5"W x 4.75"-21.5"H	up to 30	Semi-Automatic, Adjustable	Side belt drive; 2" & 3" AccuGlide II+ taping Heads
a80-b	6"-no limit L x 6"-21.5"W x 4.75"-21.5"H	up to 30	Semi-Automatic, Adjustable	Bottom seal only; side belt drive; 2" AccuGlide II+ taping heads
200a	6"-no limit L x 6"-21.5"W x 4.75"-28.5"H	up to 40 cpm	Semi-Automatic, Adjustable	Bottom belt drive; 2" & 3" AccuGlide 3 taping heads
7000A/A3	6"-no limit L x 6"-21.5"W x 3.5"-28.5"H	up to 40 cpm	Semi-Automatic, Adjustable	Upper & Lower belt drive; 2" & 3" AccuGlide 3 taping heads
7000R	6"-no limit L x 6"-21.5"W x 3.5"-28.5"H	up to 30 cpm	Semi-Automatic, Adjustable	Stainless Steel; Upper & Lower belt drive; 2" & 3" AccuGlide II+ taping heads
8000A/A3	6"-no limit L x 7"-25.5"W x 4"-36"H	up to 40 cpm	Semi-Automatic, Adjustable	Large Cases; Upper & Lower belt drive; 2", 3" & 6" AccuGlide 3 taping heads
<b>ABB INC BUSINESS UNIT ROBOTICS</b>				
IRB 260			Material handling, case packaging, pick and place	30 kg payload, 1.50m reach, IP67 protection
IRB 360			As above	3 kg payload, 15600mm working area, IP69 protection
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Hartness - Model 2800 Servo (Bottle and Can packer)	various	Up to 40cpm	Fully Automatic, Servo	Pack cases or trays, 2oz up to 2.5 gallon containers
Edson Packaging - Model 1000 3		Up to 10 cpm	Semi-automatic	Pneumatic and Servo
Edson Packaging - Model SR 3500	6" to 20"	Up to 22 cpm	Fully Automatic	Pneumatic and Servo, 5 minute change-over
Hartness - GlobalPack	Various	60+ cpm	Continuous	High speed continuous rotary motion
Hartness - Model 835 Flex (Bottle and Can packer)	Various	Up to 30 cpm	Fully Automatic	Pack cases or trays, 2oz up to 2.5 gallon containers
Edson Packaging - Model 3200	3.5	Up to 22 cpm	Fully Automatic	Pneumatic and Servo
Hartness - CM/HTW	Various Sizes	Up to 60 cpm	Continuous Motion	Best in class, hot melt closure, flexible and fast change-over features
<b>BEST PACKAGING SYSTEMS</b>				
3M 7000a	6" - no limit L 6.5 - 25W x 4.25 - 28H	Up to 40cpm	Semi-Automatic	Adjustable top & bottom drive
7000r random	6" - no limit L x 6.5 - 22W x 4.25 - 28H	Up to 19cpm	Fully	Random top & bottom drive
800a	6" - no limit L x 4.25 - 22W x 3.5 - 28H	Up to 40cpm	Semi-automatic	Adjustable side belt drive
<b>BIZERBA CANADA INC</b>				
CPS CP201	450X450mm	140ppm	Horizontal	Fully integrated solutions
CPS	Various		Gravity or Vacuum	Quick change-over
CPS CLP	600X500X500mm	120ppm	Horizontal	Available for metal detection, checkweighing, case labelling
<b>BLUEPRINT AUTOMATION INC (In Canada: Flexi-Pack Machinery Solutions; Techno Pak)</b>				
Robotic Top Loader	Varied	Up to 100ppm; up to 300 ppm with BPA Smart-Trak Collation	Top loading of secondary containers	Easily adapted to large changes in package and container styles. Higher speeds with less maintenance.
<b>BOSCH PACKAGING SYSTEMS AG PAAL (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>				
Elematic 1000 SL Case packer	150-400mm L 150-500mm W 50-350mm H	to 25/min.	Servo drives, modern IPC control, most components automated, low blank mag. height, designed for 24/7 operation	Large blank magazine as a standard (profeder). Blank dimensions: min. 200x300mm max. 1100x700mm
Elematic 2000 Series	60-250mm L 150-600mm W 60-240mm H	15-50/min	Wrap around vertical	Packaging, Flexibility, ideal for RRP, Wrap around or tray with lid
<b>BOSCH PACKAGING SYSTEMS AG SIGPACK (In Canada: Charles Downer Co. Ltd., Richmond Hill, ON)</b>				
TBL	Top loading, case packaging, RSC	30 cpm		
<b>BRADMAN LAKE INC</b>				
SLCP/BLCP Case Packer-fully automatic side/bottom load	Wide range		Top, side or bottom load case packers for pre-formed case applications. Glue or tape closure.	Wide range features
WR2 Case Packer - wraparound	Wide range	up to 10 cases/minute.	Wrap around case packer - Compact footprint	Wide range features
MX600 / MX1200 Case Packer - robotic top load	Wide range	up to 24 cpm	Robotic top load case packer	Innovative, modular, robotic, case packer featuring extensive size range
RTSW / ITSW / SRW Shrink Wrapper - fully automatic	Wide range			A range of automatic, single and twin reel machines with integral collators and / or feed conveyors.
MX600CE - Case Erector - fully automatic	Wide range	up to 30 cases/minute	Compact footprint, erects and seals bottom flaps of RSC and HSC cases	Wide range features
WR3 / WR4 / WR5 Case Packer - wraparound	Wide range	up to 30 cases per minute	Produce finished cases in 3, 4, and 5 indexing stages respectively.	The WR5 is the fastest machine because it performs fewer processes at each stage. It can collate and load products into wraparound cases or trays
<b>CHARLES DOWNER &amp; CO LTD</b>				
Bosch Sigpack Systems	Various	Up to 40 cases/min	Robotic	5 min changeovers, very flexible
Bosch PAUD	Various	Up to 25 cases/min	Vertical & or horizontal	Robotic, quick change, very flexible
Bosch Paal	Various	Up to 50 cases/min	Fully automatic servo	RRP, Wraparound, RSC
<b>CONSOLIDATED TECHNOLOGIES INC</b>				
Robotic Case Packer SCF 20L	Wide range	16cpm	Fully Automatic Top Load	Robot, Stainless Steel
Robotic Case Packer Unicell 20R	Wide range	22cpm	Manual or Automatic	Stainless Steel
Side Load Case Packer SLP25	Wide Range	20 Cases per minute	Intermittent	Stainless Steel
Wrap Around Case/Tray packer	Wide range		Fully Automatic	Stainless Steel
<b>DELKOR SYSTEMS INC (In Canada: Abbey Packaging Equipment Ltd)</b>				
Delkor Spot-Pak Packaging System	Up to 20" wide	Up to 60 bundles/min		Loads flat corrugated pads and shrink-bundles unit to form a complete shipper
Delkor Flex Loader Series	Up to 24" wide	Up to 80 cases/min	Top-Load	Loads cups, tubs, bottles, and sleeved products into SRP and standard cases. Fast tool-less changeover in less than 10 minutes.
Delkor MSP-200	Up to 20" wide	Up to 30 cases/min	Top-Load	Loads flexible pouches into the Cabrio Case SRP as well as standard interleaved shippers. Highly automated changeover. Ultra flexible system with jam-proof robotic collation style.
Delkor D Series	Up to 20" wide	Up to 60 cases/min	Top-Load	Loads cups, tubs, and FFS packages into SRP and standard shippers. Directly picks product from filler.
<b>DJS ENTERPRISES</b>				
DJS Carton Sealers	24" X 24"	1,000 p/h	Top and bottom sealers	
<b>EAGLE PACKAGING LLC</b>				
Boxxer 2118	Min. 7" L X 4" W X 5" D Max. 12" L X 8.5" W X 9.25" D	40/min	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors; Easy access panels around the machine
Boxxer 2516	Min. 8" L X 6" W X 5" D Max 15" L x 10.5" W X 9.25" D	40/min	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors; Easy access panels around the machine
Boxxer 3424	Min. 14" L x 10" W X 5" D Max 21" L x 14" W X 15" D	40/min.	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors; Easy access panels around the machine

**CASE PACKAGING**

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
Boxxer 4235	Min. 10" L x 6" W X 9" D Max 24" L x 20" W X 24.5" D	22/min.	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors; Easy access panels around the machine
Boxxer 4839	Min. 20" L x 18" W X 10" D Max. 26" L x 22" W X 17" D	22/ min	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors; Easy access panels around the machine
Boxxer Auto Lock	Min. 10" Lx6" W x 9" D - Max 20" Lx12" Wx16" D Knock Down - Min. 16" L X 12" W - Max. 20" L X 12" W X 16" D - Knockdown: 28" W x 32" D	20/min.	Automatic	Erecting corrugated cases self-locking, fold & tuck styles - no glue/no tape; quick size change-over; Heavy duty, welded steel frame; Interlocked safety gates or doors; Low maintenance mechanical drive
Boxxer FOL	Min. 10" Lx6" Wx8" D Max. 15.5" Lx7.5" Wx11" D	18/min	Automatic	Erecting corrugated case with glue; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; interlocked safety gates or doors
Boxxer T-12	Min. 11" Lx7.5" Wx6" D Max 24" Lx15.75" X 19" D	12/min	Automatic	Erecting corrugated case with tape; Quick change-over; Interlocked safety gates or doors; low maintenance mechanical drive; Venturi vacuum used in case erection; Small footprint
Boxxer T-4036	Min. 11" Lx9" W X 6" D Max. 24" L x 16" W X 20" D	18/min	Automatic	Erecting corrugated case with tape; Heavy duty, welded steel frame; Quick size change over package; Mechanical chain drive; Interlocked safety gates or doors; Easy access panels around the machine
Poplok TSF	Wide range of sizes	15/min	Automatic	Tuck styles - no glue/no tape; 2, 4 or multi-fold & tuck available; Form large or small trays with or without a lid; Quick size adjustment - no mandrel required; top sheet feed
Poplok	Wide range of sizes	20/min.	Automatic	Tuck styles - no glue/no tape; 2, 4 or multi-fold & tuck available; Form large or small trays with or without a lid; Quick size adjustment - no mandrel required; Quick change-over
Vassoyo 3029	Min. 9" L x 7" W X 1.5" D Max 22" L X 21" W X 6" D	40/min.	Automatic	Erecting corrugated tray with glue; Quick size change-over; Compact footprint; High Speed - up to 40 trays minute; Mechanical low maintenance drive; large tray size range.
Vassoyo 3934	Min. 14" L x 6" W X 1.5" D Max 32" L x 28" W X 8" D	40/min.	Automatic	Erecting corrugated tray with glue; Quick size change-over; Compact footprint; Hig Speed - up to 40 trays minute; Mechanical low maintenance drive; large tray size range.
Vassoyo Clamshell	Min. 12" L x 8" W X 2" D Max 18" L x 12" W X 6" D	30/min.		Erecting corrugated tray with glue; Quick size change-over; Compact footprint; Hig Speed - up to 40 trays minute; Mechanical low maintenance drive; large tray size range.
VassoyoAir Showcase	Min. 23" Lx15" W x4" D Max. 23" Lx15" X11" D	22/min.	Automatic	Erecting corrugated tray with glue; retractable mandrels; Quick size change-over; compact footprint; large tray size range - run large or small trays
VassoyoAir	Min. 14" Lx10" Wx2" D Max. 32" x 28" Wx8" D	22/min.	Automatic	Erecting corrugated tray with glue; Quick size change-over; Compact footprint; large size range - run large or small trays, with or without lids
Boxxer Case Packer	For bags, containers, jugs, cartons			
<b>EDSON PACKAGING MACHINERY LTD (In Canada: Alex E Jones &amp; Associates)</b>				
1000	3" - 36"	3-5cpm	Semi-Automatic	Pneumatic or servo
3200	3.5" - 20"	3-22cpm	Fully Automatic	Pneumatic & Servo Drive
3300	6" - 20"	3-10cpm	Fully Automatic	Pneumatic & Servo Drive
<b>ELLIOTT MFG CO INC (In Canada: Chisholm Machinery Sales Limited)</b>				
Elliott Model 9110 Servopac pick and place case packer	Min: 8"Lx6"Wx5"H; Max: 23"Lx16"Wx16"H	Up to 30 cpm	Top load	Servo driven, fully programmable, gentle product handling.
<b>FANUC ROBOTICS CANADA LTD (In Canada: Fanuc Robotique du Canada, Ltee)</b>				
LR Mate Series	up to 6kg payload		Picking, Packing and Assembly	5 or 6 degrees of free dom, +/-0.04 mm repeatability, tabletop size
M6iB	up to 6kg payload		Picking and Packing 0.08 mm repeatability, large work envelope	6 degrees of freedom, +/-
M16iB	up to 20 kg payload	To 520"/sec	Picking and Packing	As above
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
Blueprint Automation - Gravity Packer	Varies	Up to 300 ppm	Drop Packing	Compact, Efficient, Fast Changeover
Robotic Series - HPP, VPP & Swing	Varies	Product Dependent	Pick and Place, Horizontal, Vertical and Both H&V	High payload, Smart Trak Collation AB Controls
Delta Case Packer	Varies	Product and Pattern Dependent	Delta Robot case Packer	Compact, Fast, ABB, Fanuc and BPA Robots
<b>GO PACKAGING</b>				
3M-Matic	6" x 6" x 4.75" minimum	40 case/min	Automatic	3M AccuGlide Taping Head
Lantech C-1000	7 7/8" x 5 7/8" x 5 7/8" minimum	15 case/min	Automatic	Handles wide range of case sizes
Lantech C-300	7 7/8" x 5 7/8" x 5 7/8" minimum	10 case/min	Automatic	Cost effective
GO 601	6" x 5" x 4" minimum		Semi-automatic	Side belt drive and top compression rollers
<b>HARLUND INDUSTRIES LTD</b>				
Econocorp			Semi Automatic	
<b>HARPAK ULMA PACKAGING LLC</b>				
RAMA RM	Various	Varied 13-20	Wraparound	Wraparound & RSC
<b>HARTNESS INTERNATIONAL (In Canada: Alex E. Jones &amp; Assoc.)</b>				
835 Packers		30 cpm	Bottles & cans	Air transfer
Model D-1000 Decaser	Full range	30 cpm	Auto	Positive handling, all sizes and shapes, minimal space needed
Global Pack 3500	wide range	60+	Continuous	
<b>KRONESMACHINERY CR LTD</b>				
Modulpac	Inquire	10 - 25 Output packs per min.	Continuous motion	
Variopac Pro	Inquire	30 - 100 packs/min	Continuous motion	Handles wraparound, trays, pads, U Board, bundles
Varioline Packer	Inquire	30 - 80 pack/min	Intermittent motion	Places cans, containers into paperboard or corrugated packs
Robot Series	Inquire	Inquire		
Contipac	Inquire	Inquire	Continuous motion packer	
Linapac II	Inquire	Inquire	Intermittent motion	Servo motor controlled
Blitzpac	Inquire	Inquire	Intermittent motion	Cam controlled
ErgoBloc	D	PET	Inquiry	Handles all steps from the individual container to the finished
<b>KUKA ROBOTICS CANADA LTD</b>				
KR AGILUS		Contact KUKA Robotics for a free cycle time analysis with your product	Case packing, material handling	5 and 6-axis, 6 - 10kg payload, 700 - 1100mm reach
<b>LANGEN PACKAGING INC</b>				
LRC-500	Variable	200-500 ppm	Top load robotic packaging (trays, cases)	Collision guard, path optimization, variety of opt. Add-on features incl. Palletizing
BORA	7x6x5 to 25x20x20	10 cases/min	Top Load Case Packer	Integrated case erector, loading and sealer
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>				
Massman/ABC	Large	Med. to High	Semi & Fully Auto.	
<b>MARQ PACKAGING SYSTEMS INC</b>				
MARQ Series erector/sealer	6X5.25X3.5 to 27X18.5X18.220	Up to 1200 cph	Automatic	230 VAC, sets up cases on demand
MARQ HPA top & bottom case sealer	8x8x5 to 22x22x20 in.	Up to 1800 cph	Automatic	Runs on 110/220 VAC, 60 or 102 in. length, tape or hot melt glue
<b>MASSMAN AUTOMATION DESIGNS LLC</b>				
SE/M	8x5x3 to 30x24x24 in.	To 17 cpm	Fully automatic bottom loader	Mild steel or Stainless steel construction. Very compact frame, servo driven motions
Inline IL-20	8x5x5 to 18x12x12 in.	To 20 cpm	As above	Mild steel or Stainless steel construction, fast changeover
WACP		To 30 cpm	As above	A-B PLC, PV HMI, Servos, Robust design



**CASE PACKAGING**

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
Continuous		To 60 cpm	As above	A-B PLC, PV HMI, Servos, Robust design
<b>OMA PACKAGING (In Canada: Newmapak Ltd)</b>				
OMA Packaging	Typical RSC Cases	up to 25 cases per minute	Pick and Place style packer	Compact, efficient, price competitive
<b>PEARSON PACKAGING SYSTEMS (In Canada: Alex E. Jones and Assoc.)</b>				
MP35 Multipacker	21"L x 17"W	35 cpm	Loads four 6-pack carriers, six 4-pack carriers, or three 8-pack carriers into trays/cases	In-line or crossflow feed of carriers & cases
MP50 Multipacker	14.25-15.5L, 8.75-11.3W, 15" open depth max	50 cpm	High speed multipacker for beverage & brewing	
<b>PLAN AUTOMATION INC</b>				
Douglas Machine	4" x 18"	Up to 60 cpm	Intermittent and continuous	All Servo
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>				
Meurer	All	50 cpm	Fill and load	End of line
<b>PREMIER TECH CHRONOS</b>				
Premier Tech Chronos Robotic Case Packer		Up to 20 picks/minute		- simple operation; no flap holder needed thanks to robotic motion - designed to meet the most stringent safety standards currently on the market
<b>ROBOPAC SA (In Canada: Cartier Packaging, Saint-Césaire, QC)</b>				
SuperBox Case Erector	L: 250 mm - 600 mm W: 170mm - 410mm H: 90mm - 500 mm		Automatic Cardboard Case Erector	Standard Feed Storage Unit Capacity: 50/60 Standard tape
<b>SATURN PACKAGING EQUIPMENT</b>				
Case-It	20"-20"	to 25cpm	Various	
<b>SCHNEIDER PACKAGING EQUIPMENT CO INC (In Canada: Garth Dangerfield)</b>				
HCP-10F	As required	10cpm	Automatic horizontal load	Small size, visual status display of any product, economical
HCP-30	As required	30cpm	As above	High speed
VCP-25	As required	30 cpm	Automatic top load	Vertical Top or Bottom load
TP-35	As required	35cpm	Automatic side load	High speed tray
<b>SPEEDWAY PACKAGING MACHINERY</b>				
SPM-553S	4.7	667/min	Semi-automatic	Side belt drive
SPM-563	10"-20"L x 8"-16"W x 4"-20"H		Semi-automatic	Top & side belt drive
SPM-563P	L: 250-500mm W: 200-400mm H: 100-500mm		Semi-automatic	Side belt drive

**CASE PACKAGING**

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
<b>STANDARD KNAPP INC (In Canada: B &amp; T Sales Inc.)</b>				
939 drop packer	As required	50 cpm	Packs bottles, cans and 6-packs	Cushion lift table; self-adjusting lane guides
Tritium tray packer	As required	120 cpm	Loads pack and loose cans & bottles into trays	Wraparound type
Tritium Shrink wrapper	As required	120 cpm	Shrinkwraps trayed products	
Continuous motion case packers	As required	Up to 70 cpm	Loads PET or glass bottles into cases or trays	Gentle handling, simple design
<b>TRINAMICS INCORPORATED</b>				
Top Load, Side Load, Wrap Around, Bottom load		40 cases per minute		
<b>VIBAC CANADA INC</b>				
Complete line of Case Sealing Products				
<b>WEIGHPACK SYSTEMS INC</b>				
V-25	Up to 100 lbs	Up to 30/min		
V-1	Up to 2 lbs	Up to 60/min		
V-9	Up to 10 lbs	Up to 45/min		
AW-9	Up to 10lbs	Up to 15/min		
AW-1	Up to 2.5 lbs	Up to 15/min		
<b>WEXXAR PACKAGING MACHINERY LTD</b>				
WEXXAR WF Series case former-bottom sealers	Min. 8x6x4 in.; max. 22x16x13 in. (over/under sizing optional)	Up to 30 cpm	Fully automatic with PLC and 10 min. or less size change	Various models for bottom closure with cold glue, hot melt or P.S. tape
WEXXAR/BEI Sealers		Up to 65 cpm	Fully automatic, with unique features and 2 min. size change	Various models for top and bottom or top only sealing with cold glue, hot melt or P.S. tape
<b>YAMATO CORPORATION</b>				
FCP	20"L x 22"W x 22"D	Up to 150/min	Servo	Vertical and horizontal pack pattern. Easily handles stand-up pouches. Multi-axis design. No-tool changeover.
<b>YASKAWA AMERICA INC (In Canada: Yaskawa Canada, Inc., Mississauga, ON)</b>				
MH24 Robot	x	High	Wide variety	24 kg, 6-axis, 3,088 mm reach
MH12 Robot	x	High	Wide variety	12 kg, 6-axis, 2,511 mm reach
<b>YASKAWA MOTOMAN (In Canada: Yaskawa Canada, Inc. Mississauga, ON)</b>				

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**CASE PACKAGING**

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
HP20, HP50 HP50-35	6 axis		High	Up to 50 kg payload Up to 2,525 mm reach
MPK50	4 axis		High	Up to 50 kg payload Up to 1,893 mm reach

**CHECKWEIGHING**

MAKER AND MODEL	SPEED CAPACITY	ACCURACY TOLERANCE	WEIGHT CAPACITY	REJECT MECHANISM	RECORD CONTROL	SPECIAL FEATURES	CHANGE OVER
<b>ABBEY PACKAGING EQUIPMENT LTD</b>							
Anritsu Industrial Solutions USA Inc. SSVh High Accuracy Series	600ppm	+/- 0.01g	0.4g-3kg	Various	Yes	Combined Metal Detector, Variable Speed, Touch Screen, GMP/HACCP, Ethernet and USB, High Accuracy, Force Balance	Tool-Free
Anritsu Industrial Solutions USA Inc. SSVi Washdown Series	330ppm	+/- 0.1g	6g-15kg	Various	Yes	Combined Metal Detector Washdown, Variable Speed, High Accuracy, Touch Screen, GMP/HACCP, Ethernet and USB	Tool-Free
Anritsu Industrial Solutions USA Inc. SSVf Versatile Series	400ppm	+/- 0.2g	6g-25kg	Various	Yes	Combined Metal Detector, Variable Speed, Touch Screen, GMP/HACCP, Ethernet and USB	Tool-Free
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>							
Hayssensandiacre - Radial Combination Weigher	Varies dependent on product	Varies dependent on product	Up to 5 Kg			Available for various applications, such as mixing and blending. Can be paired with VFFS, HFFS or multiple point discharge packaging machinery	Tool-Less
Hayssensandiacre - Atom	Varies dependent on product	Varies dependent on product	Up to 5 Kg			As above	Tool-Less
<b>BIZERBA CANADA INC</b>							
Bizerba CWM Series	250 ppm	0.1g-20g	750g-60kg	Air Blow Pusher Drop down sorter	Yes	Touchscreen integrated with metal detector	
CWE	400 ppm	0.1g-5g	20g-15,000	Air Blow Pusher Drop down sorter	Yes	Touchscreen integrated with metal detector	
<b>COMBISCALE LLC</b>							
CS 5L	Up to 70/min		Up to 55 lbs				
CS 1.5L	Up to 120/min		Up to 7 lbs				
CS 2.5L	Up to 120/min		Up to 18 lbs				
PrimoWeigher	200+/min		Up to 7 lbs				
PrimoWeigher	200+/min		Up to 18 lbs				
PrimoWeigher	Up to 80/min		Up to 55 lbs				
<b>COUSINEAU PACKAGING INC</b>							
Matrix Scales							
<b>EAGLE PI (In Canada: Plan Automation, Orangeville, ON; Banding Systems, Orangeville, ON)</b>							
Eagle PI Systems	Up to 65 packs per minute 1500ppm	Check-Weighing down to +/- 0.5%. Contamination inspection down to 0.2mm for FE, Non-FE and SS, 0.8mm Glass, 1.25mm Ceramic, 1.5mm Calcified Bones, etc.	0 - 150lb	Air Knife, Piston Arm, Drop Nose, Etc.	EagleTrace Server, SQF, CVS, etc. Standard Ethernet and USB Connectivity	Packaged or Raw Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software. Can inspect randomly in-feed cases from multiple lines simultaneously using a barcode reader. Unmatched Canadian service and parts support from PLAN Automation.	Fully Automated, Recipe Driven, Push Button and under 10 seconds
<b>ESPERA (In Canada: Heat Sealing Packaging Supplies &amp; Equipment, Concord ON)</b>							
ES5000 Series - Economical Weigh Price Labeler	Up to 65 packs per minute	1g		Lateral exhaust, flipper sorting, Camera Control Inspection	Wide range of editing, manual and automatic updating, data recording and exporting	15' Touch Screen Interface, SS Construction, no compressed air, small foot print, various printer / applicator options	Minimal time due to automatic adjustment of product guides, printer, label position, and label rotation
ES6000 Series - Weigh Price Labeling Machine for Heavy Packages	Up to 45 packs per minute	1g	Max 80kg	As above	As above	SS Construction, various printer / applicator options	As above
ES7000 Series - Weigh Price Labeling Robot	Up to 120 packs per minute	1g	Max 10kg	Pop up reject system, Lateral exhaust, flipper sorting, Camera Control Inspection	As above	Same as above plus completely modular and expandable, low pressure wash down, automatic printer bridge and product guides	As above
ES8000 Series - Weigh Price Labeling Machine	Up to 150 packs per minute	0.5g		As above	As above	As above	As above
<b>HARPAK ULMA PACKAGING LLC</b>							
DIGI Various							
<b>HEAT &amp; CONTROL CANADA INC</b>							
Ishida DACS-G	to 600 ppm	to +/-0.1g	600-1500/300-60,000g multi-range	Various			Versatile, multi-range weighing capacity
Ishida DACS-WN Checkweighers	to 330 wpm	to +/-0.1g	300-50,000g	Various			100 products memory, dual load cells
<b>KRONESMACHINERY CR LTD</b>							
Checkmat	Inquire	Per application		Soft push, continuous motion or case divider. Designed to suit application		System designed to suit customer application	Touchscreen
<b>LOMA SYSTEMS INC (In B.C. &amp; Alta.: Ross Packaging)</b>							
LCW 3000, 6000, & heavy weight	350/450 ppm 300 ppm	+0.6 g	300 gr 6000 gr	to suit	Enet & OPC washdown	Product memory, PC based touch screen, Allen Bradley Controls	
<b>METTLER TOLEDO INC (Shawpak System Limited, Oakville, ON)</b>							
C3000 Checkweigher	400 ppm	200 mg	10 kg	Option	Wide range of reporting		All models 1 min or less
X Series Modular Checkweighers	300 ppm	200 mg	6 kg	Option	Wide range of reporting		All models 1 min or less
XC Series Compact Checkweighers	100 ppm	1g	3 kg	Option	Limited reporting		All models 1 min or less
XD Series Checkweighers	200 ppm	300 mg	6 kg	Option	Wide range of reporting		All models 1 min or less
Checkweigher Metal Detector Combination	400 ppm	200 mg	10 kg	Option	Wide range of reporting	Custom Metal detection available	All models 1 min or less
High Load and End of Line Checkweighers	80 ppm	20 g	100 kg	Option	Wide range of reporting		All models 1 min or less
Pharmaceutical Checkweighers	500 ppm	200 mg	600 g	Option	Wide range of reporting	Serialization track and trace	All models 1 min or less
<b>MULTIVAC CANADA</b>							
Multivac 210 Checkweigher	up to 170 m/min		up to 6,000g (e=2.0g)	Pusher, air blowing nozzle, diverger		Highly modern technology with an optimum efficiency	
<b>NALBACH ENGINEERING COMPANY INC</b>							
RVS	600 cpm	+0.1 gram	12 kg	n/a	Yes	SPC	Electronic
RVS	600 cpm	+1.0 gram	12 kg	n/a	Yes	SPC	Electronic
<b>PLAN AUTOMATION INC</b>							
Yamato	Up to 500ppm	Down to 0.01g	Up to 100lb	Application Dependent		Complete Traceability Package	Push Button
<b>PLEXPACK</b>							

**CHECKWEIGHING**

MAKER AND MODEL	SPEED CAPACITY	ACCURACY TOLERANCE	WEIGHT CAPACITY	REJECT MECHANISM	RECORD CONTROL	SPECIAL FEATURES	CHANGE OVER
Weight Right IQ-1E	Up to 14pm	To 1 gram	10lbs.	n/a	n/a		5-10mins
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>							
PPI NOW	50	+/-0.01%	1 lb	Yes	Yes	Includes Metal Detector	Under 30 minutes
<b>PREMIER TECH CHRONOS</b>							
Premier Tech Chronos E Series High Speed Net Weigh Scales	Up to 35 weighments/min (simple configuration)	+ 0.5 to 1.4 oz.	20 lb to 110 lb				Gravity or belt feeder Servomotor-control led feed gate
E Series Net Weigh Scales	Up to 20 weighments/min (simplex configuration)	+ 0.5 to 3.5 oz	10 lb to 110 lb				Gravity, belt, gravity-vibratory, screw, or vibratory feeder
<b>THERMO FISHER SCIENTIFIC (In Canada: Thermo Fisher Scientific, Burlington, ON)</b>							
Thermo Scientific™ VersaWeigh™ Checkweigher	10-120 meters/min	0.25-4g depending on application	Maximum 10,000 grams				Rejects custom per Tracker option application
Thermo Scientific™ 8120 Food Chain Checkweigher	6-167 meters/min	0.5-1.5g depending on application	Maximum 11000 grams				Rejects custom per Tracker option application
Thermo Scientific™ Teorema Checkweigher	Up to 160 meters/min	0.5g depending on application	Maximum 1500 grams	Air Flipper, Air Bopper rejects			Tracker option
Thermo Scientific™ Versa Frame 44/44HD Heavy-Duty Checkweigher	Up to 164 meters/min	15-25 g depending on application	Up to 110 lbs	Air Pusher, Swing Gate, Lift-N-Push rejects			In-line weighing of cases, bags, and large packages
Thermo Scientific™ Versa GP Checkweigher	210-350PPM	0.1-1g depending on application	Maximum 2500 grams				Rejects custom per application
Thermo Scientific™ Versa Rx	300-550PPM	0.05g depending on application	2-500 g				Rejects custom per application
<b>VC999 CANADA LTD</b>							
XtraVac CW7220 Checkweigher	30-70 bag / min (adjustable)	±1-4 g	0.01 ~ 9.999kg	blow off/T-Push/slide down/ belt push	communication port RS485		Belt size and weighing range can be customized
<b>WEIGHPACK SYSTEMS INC</b>							
PrimoLinear V-25	Up to 15/min.		Up to 50 lbs				
PrimoLinear V-Mini	Up to 50/min.		Up to 0.5lbs				
PrimoLinear V-5	Up to 45/min.		Up to 5 lbs				
Star Auger 100	Up to 90/min.		Up to 1 lbs				
Star Auger 200	Up to 70/min.		UP to 5 lbs				
PrimoCombi 0.5L	Up to 140/min		Up to 0.5 lbs				
PrimoCombi 1.5 L	200+/min		Up to 7 lbs				
PrimoCombi 2.5 L	200+/min		Up to 18 lbs				
PrimoCombi 5 L	Up to 80/min		Up to 55 lbs				
<b>YAMATO CORPORATION</b>							
I Series	480ppm	+/- 0.15g		Air, diverter, drop or push			IP-67 washdown (IP-69K option). Auto tuning. Reject verification. Optional printer.
<b>CODING MARKING, IMPRINTING</b>							
MAKER AND MODEL	APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES		
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>							
Norwood Marking - Model 53LTI	Model Programmable Thermal Transfer Printer	up to 400mm per second	Continuous 2"x1.97", Intermittent 2"x1.18"	Unlimited	Precise ribbon advance control for the most accurate and economical use of ribbon. Prints directly onto flexible packaging, labels, bags, overwraps and more.		
Norwood Marking - Model AK-15	Hot Stamp Imprinting	Up to 150ppm	2" x 2"	Unlimited	Intermittent motion, Low cost ribbon usage. Clear reliable UPC code.		
<b>BEST PACKAGING SYSTEMS</b>							
Squid Ink JetLine	None contact DOD inkjet	175' /min.	.75' or .5" W 7- dot character	Various	Touch screen user interface		
Squid Ink PZ Pilot Pro	Hi-Resolution	167'/min.					
Squid Ink AutoPilot	Hi-Resolution	135'/min.			Entry Level		
<b>CODING PRODUCTS OF CANADA LTD</b>							
AT IJet	Smart coding with HP technology. Suited for quick and clean printing on product surfaces in the pharmaceutical, chemical and food industry.	Up to 180 m/min with a resolution of 300 dpi	print height up to 12.5mm	unlimited	Uses a multi tasking operating system with animated graphics for simple operation. Has a built in photo sensor.		
Linx 5900	Small Character inkjet printer	6.83 meters per second	10.7 mm	Unlimited	Ideal for wet environments		
Linx SL102 Laser printer	10 watt scribing laser	over 100 meters per minute	407mm	Unlimited	Longest tube life on the market, no factory air required for cooling, colour touch screen		
Linx 8900	Small character inkjet printer	3.65 meters per second	20mm	Unlimited	Single button start up, easy change service module, touch screen and upto 100 starts between cleaning		
Linx SL302 Scribing Laser	For complex codes on fast lines, and even on hard to mark materials	over 250 meters per minute	407 mm	Unlimited	This powerful 30W laser codes high quality text, graphics and Data Matrix codes onto a wide range of materials		
Linx SL 501 Laser marking system	Linx SL501 is ideal for high-speed coding applications in the beverage, brewing and food industries.	over 700 meters per minute	135mm	Unlimited	Ideal for high speed lines where complex codes are required or for products that are hard to mark		
AMI Hand Held Printer	Small character printer		170 mm	Unlimited	Hand held operation ideal for those without conveyors and manual production		
<b>DIAGRAPH (In Quebec: VisuSCAN Inc.)</b>							
Linx	Non Contact	1200 FPM		Various	Continuous carton and product coding		
<b>DOMINO PRINTING SOLUTIONS INC</b>							
A320i Ink jet	Ink Jet coding designed to reduce cost and simplify the production line.	max 325m/min	up to 4 lines of print; 255 characters per line	Unlimited	Domino's A320i ink jet printer offers a service free printer plus: (1) The operator interface is easy to use - just enter the job and go on to the next task. (2) Simplified display quickly puts the printer in action. (3) Its printhead stays clear of residual ink-you'll see lower ink costs.		
A420i Ink jet	Ideal for Beverage, Canning and PEP applications	max 325m/min	up to 4 lines of print; 255 characters per line	Unlimited	The A420i's increased ink capability complements the general range of i-Tech inks, with a versatile range of Specialist and Custom ink offerings, such as specialist thermochromic ink for canning.		
A520i Ink Jet	Ideal for wash down environments	max 510m/min	up to 4 lines of print standard or 8 lines of print for the Duo option; 255 characters per line	Unlimited	Hot, wet, cold or dry - the engineering excellence in the A520i ink jet printer works even in the harshest of environments		
D120/ D320i	Compact, scribing Laser coders ideal for coding on a wide variety of materials at low to high line speeds.	D120-800 characters per second; 200 m/min; 650 ft/ min - D320i 1500 characters per second; 400 m/min; 1300 ft/min	50 x 50 up to 180 x 180 mm (character height from 0.6mm to size of mark field)	Unlimited	The key to the D-Series flexibility is a smaller i-Tech scan head, connected to the laser tube on a multi-position mount. The head can be rotated through 90 degree steps to allow for many mounting positions, and because it is so much smaller, it can easily fit where bigger lasers cannot.		



CODING MARKING, IMPRINTING					
MAKER AND MODEL APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES	
D620i	Ideal for high speed beverage packaging or serialisation requirements, both human readable and 2D data matrix coding.	2000 characters per second; 600 mm/min; 1970 ft/min	50 x 50 up to 180 x 180 mm (character height from 0.6mm to size of mark field)	Unlimited	Increased power and speed, combined with an optional IP65-rated version, result in the D620i laser, that is equal to the most demanding applications and environments. RapidScan makes our lasers 20% faster for high-speed applications than other scribing lasers.
V120i	The smart upgrade to digital coding - and the most cost effective solution for flexible packaging in its class.	Intermittent - 400mm/s; Continuous 10 mm/s - 750 mm/s	Intermittent - 32mm x 55mm; Continuous 32mm x 500mm	Unlimited	Domino's i-Tech Ribbon Drive offers 4 ribbon save settings including 'Economy Mode' which allows you to use up to 60% less ribbon per print - without affecting print quality.
V230i	For general purpose digital TTO coding with reduced total cost of ownership labels, the V220i delivers the coding performance you expect, without the costs.	Up to 400mm p/second	Intermittent - 32mm - 32 x 55 & 53mm 53 x 55mm; Continuous - 32mm - 32 x 500 & 53 - 53 x 500mm	Unlimited	The V230i prints high resolution codes, text and images onto flexible foils, films and labels. Unlike other thermal transfer coders, the V230i uses intelligent Technology to meet all your general purpose coding needs while keeping your costs as low as possible. The i-Tech Ribbon Drive uses up to 60% less ribbon per print and virtually eliminates downtime related to ribbon break due to its unique dancing arm tension control. Ribbon change is also quick and infrequent thanks to cassette loading of larger than standard ribbon rolls.
V320i	The V320i prints large area, high resolution codes, text and images on flexible foils, films and labels.	Intermittent - 700mm/s; Continuous 10 mm/s - 1400 mm/s	(1) 53mm Version: Intermittent - 53mm x 115mm; Continuous 53mm x 2700mm and (2) 128mm Version: Intermittent - 28mm x 115mm; Continuous 128mm x 1000mm	Unlimited	With the largest ribbon rolls in the industry and unique ribbon save features, the V320i also delivers the lowest cost of ownership of all thermal transfer printers.

CODING MARKING, IMPRINTING					
MAKER AND MODEL APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES	
M230i Corner Wrap	For Accurate & reliable corner wrap labelling - Print & Apply	12-15 labels per minute	Label sizes - up to 150 x 254mm	Unlimited	The M-Series Corner Wrap i-Tech units are flexible and reliable automated Print & Apply tamp solutions. Incorporating the latest i-Tech features, the innovative corner wrap functionality and high labelling speed allow it to keep pace with most carton erector and filling lines.
M230i Pallet Labeller	For flexible, safe and easy to use pallet labelling - Print & Apply	12-15 labels per minute	Max print width - up to 168 mm; max distance to product 450mm	Unlimited	The M230i Pallet Labeller is compact in size, yet rugged and industrialised. Thanks to its innovative design the applicator can easily be set up to label one, two, or three sides of the pallet, giving you the flexibility to meet both current and future requirements. Incorporating the latest i-Tech features, the innovative corner wrap functionality and high labelling speed allow it to keep pace with most carton erector and filling lines.
G-Series	Industrial thermal inkjet printers	300m/min (984 ft/min) dpi dependent or 60 m/min @ 300dpi	G100 Model - 25.4 mm/1" (2x12.7mm); G200 Model - 50.8mm/2" (4x12.7mm); G300 Model - 50.8mm/2" (4x12.7mm)	Unlimited	Whether your line is simple or complex, the G-Series range has the capability to integrate easily, with up to four print heads managed by a single controller.
C6000 Plus	High resolution Large character inkjet for outer cases, trays and sacks	up to 800 m/mm; 263 ft/min	Max print height of 70mm (2.76")	Unlimited	Prints multiple line text, on-line graphics and all major barcodes, including GS1 compatible codes. Storage of 100 x 8 line messages up to 200 characters per line; Connectivity: centralized control of factory-wide printing; central message storage



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**CODING MARKING, IMPRINTING**

MAKER AND MODEL APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES	
K600i	Digital ink jet Designed for sheet or web - printing onto labels, tags, tickets, forms, security products and direct mail.	75m/m (246ft/min)	Print widths range from a single print module, printing an image area of 108mm (4.25") up to 782mm (30.79").	Unlimited	Printing on to a wide range of uncoated and coated, as well as plastic media, the K600i combines productivity with 600dpi print quality. The K600i, configured to the print width required, can be integrated into an existing handling system for digital imprinting or can be in the format of a monochrome digital press.
<b>GREYDON INC (In Canada: Greydon Canada, Montréal, Québec)</b>					
Flexographic	HP Printing	All Application Specific			
Thermal Transfer	Ink Jet	All Application Specific			
Contact Wet Ink	Traversing System	All Application Specific			
<b>HARLUND INDUSTRIES LTD</b>					
Hitachi PB-260U	Small character printing	call	call	all	Low fluid use
Hitachi PX-260U	High speed small character	call	call	all	Low fluid use, touch screen, ip55 - 2 line of hi-speed text
Hitachi PX-460U	as above	call	call	all	as above, 4 lines text
Little David Microjets	Large character DOD	call	call	all	Compact
Little David Versajet	Large char DOD	call	call	all	Compact
Foxjet	Carton InkJet Printer High Resolution	call	call	all	TRUE Windows OS, network controllers, pigmented ink
Easyprint	Electronic foil printing	call	call	all	Many
Hitachi RX2 - Basic & Standard	Small Character Printing	call	call	all	Lowest fluid usage
<b>KWIK LOK CORP (In Canada: British Canadian Importers (4 Western Provinces); KLR (PQ))</b>					
883 Smart Date Thermal Printer	Printing on closures	100/min.	1, 2, or 3 lines	N/A	Thermal printer, Smart Date
894 Squid Ink Turbo Printer	As above	120/min.	As above	N/A	Ink (non smear)
Model 1011E	As above	120/min.	As above	N/A	Cold foil
<b>LABEL AIRE INC (In Canada: Ahearn &amp; Soper)</b>					
Hot stamp coder	Printing labels & tags	400 lpm	4x4 in.		
<b>LEADING EDGE INKJET LTD</b>					
Large & small character	Porous & Non porous	up to 4 m/s	3 mm & up	3 mm & up	
<b>LINX PRINTING TECHNOLOGIES LTD (In Canada: Coding Products of Canada Ltd., Flamborough, ON, Visuascan, Montréal, QC)</b>					
Linx 4900	Non contact inkjet printing for traceability information	7.28 m/s or 1430 fpm	up to 2 lines of print or 8.8 mm in height	variable	Single button start up and shut down, mistake proof ink and solvent replenishment, auto power down with print head and conduit flush and on screen diagnostics
Linx CJ400	Non contact inkjet printing for traceability information	2.6 m/s or 510 fpm	up to 3 lines of print or 8.8 mm in height	variable	Touch screen programming, easy change service module, light weight with carry handles for portability
Linx CJ400 Carton coder	Non contact inkjet printing for traceability information ideal for tray packs and cartons	0.5m/s or 98 fpm	1 line of print 20 mm in height	variable	Easy change service
Linx 7900	Non contact inkjet printing for traceability information	8.41m/s or 1650 fpm	up to 5 lines of print or 13.8 mm in height	variable	Single button start up and shut down, mistake proof ink and solvent replenishment, auto power down with print head and conduit flush.
Linx 7900 Spectrum	Non contact inkjet printing for traceability information	7.28m/s or 1430 fpm	up to 5 lines of print or 13.8 mm in height	variable	The Spectrum printer was designed to run pigmented inks and has the same features as the Link 7900.
Linx 7900 Solver	Non contact inkjet printing for traceability information	8.41 m/s or 1650 fpm	up to 5 lines of print or 12 mm in height	variable	Same as the Linx 7900 with up to 40% savings in solvent consumption reducing operating costs.
Linx SL101	10 watt non contact laser printing	1.83 mps or 360 fpm	295 x 407 mm	variable	Tube life of 45000 hours, no factory air required, ideal for glass marking using VisiCode technology, fast and easy code changes with option of usin barcode scanner.
<b>MARKEM IMAJE INC</b>					
Markem-Imaje 9000 Series	Continuous ink-jet printing	1300 fpm (396 m/min)	0.04 to 1.79" (1-20 mm)	No limit	Compact, Low TCO, up to 8 lines of codes, ethernet
Markem-Imaje 1000 Series	Thermal Ink-Jet	660 fpm (200 m/min)	0.04 to 8" (1-203 mm)	No limit	Flexible print-head, low TCO with bulk ink delivery modules, low maintenance
Markem-Imaje SmartDate Series	Thermal Transfer	1200 fpm (365 m/min)	Up to 5" (128 mm)	No Limit	Fast, ribbon to 1100m, large print area
Markem-Imaje Laser Series	CO2 and Fiber Laser Printing	1800 Character/s	.04 to 19.7" (1-500mm)	No limit	Modular design, Best Warranty, Beam Orientation Unit
Markem-Imaje 6000 Series	HotMelt Ink-Jet	682 fpm (208 m/min)	0.1 to 1" (3-25.4 mm) height x 14" (35.6 cm) length	No limit	Store up to 50 messages and up to 8 lines of text. Delivering clean, clear prints without solvents. Real time date and lot coding for identification and tracking of fast moving consumer goods in the food, personal care and pharma industries.
Markem-Imaje 2000 Series	Print & Apply Labelling	125 case/min	6"x16" (150 X 400mm)	No limit	Modular, compact, easy integration, one print engine
Markem-Imaje 5000 Series	High Resolution Piezo Case coding	580 fpm (178 m/min)	2.56" per head	No limit	Hot Melt instant dry inks, GS1 compliant, Up to 4 print heads per controller
Markem-Imaje 4000 Series	Large Character Valvejet	295 fpm (90 m/min)	5/16 to 2.5" (8-64mm)	No limit	Up to 4 print heads per controller, prints more than 22,000 Unicode characters, up to 5,000 characters. Great for multi-side case coding for up to 2-3 shifts.
Markem-Imaje Software Solutions	Packaged coding & Traceability			No limit	Reduce packaging costs, optimizing product coding activities and meeting regulatory compliance. Link, manage and operate all printers throughout the plant.
<b>MARSH CO (In Canada: Videojet Technologies Canada)</b>					
LCP Symbol Jet	Barcode printer	60 fpm	Code 1 2 of 5, Code 39-42 characters		Direct to carton UPC symbologies
LCP/ML8	Ink-jet coder	200 fpm per line, max 8 lines			24-hr clock calendar, large characters, bar-coding
LCP DLI	As above	As above	As above, max. 2 lines		Prints logos, large or double lines
Marsh Unicorn	As above	As above	1 line		Counting logic
Mini-Mark	As above	20-250 fpm			3/32 in. 7x7 matrix or 1/16 in. 5/5 matrix
Hi-Res	As above	250 fpm	40in.		3/16 to 1in.
Overture LT, Overture LX	Ink-jet coder	250 fpm	Max length for message 40in.	Various	High resolution printing, bar codes & graphics
Overture ES	Ink-jet coder	200 fpm	Max message 40 in.	Various	Hi-res printing, bar codes & logos, low cost
ML8, Patron P5000A, P2500A	Hi-Res Labelling	250 fpm			Hi-res graphics, barcoding, Label Applications
<b>MATTHEWS MARKING SYSTEMS</b>					
Continuous Inkjet	Primary package coding	over 1000 fpm	Up to 5 lines/.05" - 61" Characters		Easy to use interface
High Resolution Inkjet	Secondary (case coding)	276 fpm	4" from each head/unlimited stitching		High res. graphics and barcodes
Laser	Primary package coding		Up to 200 mm x 200 mm		High speed permanent coding
Drop-On-Demand	Secondary coding	780 fpm	3/32" - 5" character sizes		Rugged, reliable printheads
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>					
Intelli-Sort	Plastic bottles	50-300 cpm			Print, verify, data on bottom of bottle. Brite Stock. Automatic operation.
Intelli-Pack	Bottles or cartons	variable			Case aggregation system for serialized cartons or bottles. Semi to automatic operations
Label Sync 450	Bottles	variable			Syncing line codes with serialized codes. Automatic operation.
<b>PLAN AUTOMATION INC</b>					
Markem Imaje	Ink-jet, Laser, P&A	Up to 800ppm	variable	variable	

**CODING MARKING, IMPRINTING**

MAKER AND MODEL APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES	
Domino	Ink-Jet, Laser, Thermal Transfer	Up to 800 ppm	Variable		
<b>SAMUEL PACKAGING GROUP</b>					
HS Automatics	Hi-definition	1000'/min	Unlimited	All	Xaar & HP technology
Citronics	CIJ	1000'/min	1/2" high	All	CIJ
Rea-Jet	DOD	800'/min	Unlimited	All	DOD
<b>SPEEDWAY PACKAGING MACHINERY</b>					
Packleader ST-351	Hot Stamp	up to 180 cpm	30mm x 20mm		Requires compressed air
Videojet 6320 - RH or LH	Thermal Transfer	Intermittent Motion	53mm wide x 200mm long		
Dikai D03	Thermal Transfer	40 meters/min	32mm(W) x 80mm (L)		Intermittent & continuous combined - 32mm, 300DPI - requires compressed air
Videojet 6210 - RH or LH	Thermal Transfer	Intermittent Motion	30mm x 32mm		
<b>SQUID INK MANUFACTURING</b>					
SQ/2	Large Character	200 ft/min	.25" to .75"	Variable	24-hour clock, Julian date, counter, lot counter, dot size adjustment, print delay, character width adjustment, photoceil on/off, invert print, reverse print, purge routine.
SQ/2 Scorpion	Large Character	200 ft/min	.25" to .75"	Variable	Counter, lot counter, 24-hour clock, shift code, Julian date, 3-letter month name, 3-letter weekday name, expiration date, expiration month, expiration day, expiration year, expiration Julian.
Vector XII	Large Character	200 ft/min	.25" to 1.75"	Variable	Counter, lot counter, 24-hour clock, shift code, Julian date, 3-letter month name, 3-letter weekday name, expiration date, expiration month, expiration day, expiration year, expiration Julian.
PZ Pilot	Hi-Resolution	200 ft/min	.06"- .7"	Variable	Bar codes, logos, text, lot codes, shift codes, time & date, repeat print, reverse print.
PZ Pilot Pro	Hi-Resolution	167 ft/min	.06"-2.1"	Variable	Time & Date, Item, Shift Codes, Bar Codes, Fonts, Auto Configuration, Number of Messages - 2GB flash memory, Graphics, Languages - User selectable between English, Spanish, and Chinese.
AutoPilot	Hi-Resolution	135 ft/min	.06"- .7"	Variable	Time & Date AM or PM, Shift Codes, Bar Codes, Variety of Fonts, Logos 1GB storage, Languages English, Spanish, and Chinese versions available.
<b>STERLING MARKING PRODUCTS INC</b>					
M-15	Reciprocating imprinter	225 impressions pm	Varies	No limit	Can print on top, bottom & sides of product as well as print on web material
Rapide	Reciprocating imprinter using hot ink rolls	As above	As above	As above	As above
<b>VIDEOJET TECHNOLOGIES</b>					
43S, 1220	CIJ	Up to 800fpm	.08 to .4	Variable	Airless, patent self clean, no mess, no waste, IP 54
1520, 1620	CIJ	Up to 1,066fpm	As above	As above	As above
1720	CIJ - Pigment	As above	.08 to .5	As above	Airless patent self clean, no mess, no waste, IP66
3120	Laser	10 watts	Varies	As above	High resolution permanent codes
S320	Laser	30 watt	As Above	As above	As above
Alltech Smarts	As above	60 watt	As above	As above	As above
3430	Laser	50 watt	As above	As above	As above
Marsh 8000	Hi Resolution	Up to 250fpm	As above	As above	Bar coding, Hi resolution
2350	Hi Resolution		Varies	As above	High quality - 4 lines
2360	Hi Resolution		Varies	As above	High quality - 4lines
Marsh Unicorn	DOD	As above	As above	As above	DOD
Dataflex TTO	Thermal transfer	800mm/sec	As above	As above	low cost ownership touch screen
EXCEL Series Hi-Resolution	CIJ	25-170 ft/min.	1/32 - 1/4in	Variable	High quality micro-sized codes
EXCEL Series 273se	CIJ - Dual Head	110-916 ft/min	1/8 - 1/4 in. char heights	Variable	3 lines of print each from 2 printheads codes
PrintoPro	Array non-contact ink jet system	Up to 967 ft/min	Up to 4.9 in print band	Variable	High resolution
Videojet Dataflex	Thermal transfer	Mode dependent	Mode dependent	Variable	Intermittent & continuous modes from one unit
7130	Fibre laser	Up to 60fpm	Variable	Variable	Fibre High Speed laser
Videojet 43S	Small character ink jet	to 1600 char/sec/line	0.08 to 0.4" print heights	Variable	Automatic printhead cleaning
Excel 2000 Series 1220	as above	916 ft/min	1/6 to 1/3" print heights	Variable	to 4 lines of print
	Continuous Inkjet	Up to 533 ft/min	Up to 3 lines	Variable	9,000 hour run life; smart cartridge fluid delivery system; IP55 washdown
Series 1520	As above	Up to 914 ft/min	Up to 5 lines	Variable	12,000 hour run life; Make-up consumption as low as 2.4ml/hr
Series 1620	As above	Up to 960 fpm	Up to 5 lines	Variable	14,000 hour core life; no plantair required; dust protection
Series 1710	As above	Up to 888 fpm	Up to 5 lines	Variable	Modular core design; easy maintenance; advanced printhead cleaning for pigmented inks
Series 2300 (3 models)	Hi Res large character	Barcoder: 1-108 fpm; Text: up to 433 fpm	Up to 2.7"	All cartons	Replace pre-printed boxes/labels with hir-res text, barcodes & logos. Microplotting for high point quality and clean operation
<b>VISUASCAN INC</b>					
Linx Technologies	All	1200 FPM			
<b>WEBER MARKING SYSTEMS OF CANADA</b>					
BestCode 82 Continuous Inkjet Printer (CU)	Print best by, lot code, sell by, expiration codes and other identifying marks and codes.	Print speeds up to 600 ft/min	Print 1 or 2 lines of text	Varies	10.4" Colour LCD Touch Screen IP55 Rating 4,000 hour filter life
BestCode 86 Continuous Inkjet Printer (CU)	Print best by, lot code, sell by, expiration codes and other identifying marks and codes.	Print speeds up to 1,500 ft/min	Print 1-3 lines of text	Varies	10.4" Colour LCD Touch Screen IP55 Rating 4,000 hour filter life
BestCode 88 Continuous Inkjet Printer (CU)	Print best by, lot code, sell by, expiration codes and other identifying marks and codes.	Print speeds up to 1,500 ft/min	Print 1-4 lines of text	Varies	10.4" Colour LCD Touch Screen IP65 Rating 8,000 hour filter life
DOD Inks: Porous Surfaces	Porous applications.			Varies	
DOD Inks: Non-Porous Surfaces	Non porous applications.			Varies	
Zebra ZT200 Label Printer	Manufacturing - Work-in-process, product ID/serial numbers, packaging labels, receiving/put-away labeling	Up to 6"/sec.	Up to 4.09"x39"	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra 110Xi4 Label Printer	Transportation & Logistics - Order picking/packing, shipping/receiving, cross-docking, compliance labeling	Up to 14"/sec.	Up to 4" x 150"	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra 140Xi4 Label Printer	Healthcare - Orders, specimen labels, asset-tracking, unit-of-use labeling	Up to 14"/sec.	Up to 5.04"x150"		203 dpi direct thermal and thermal transfer



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**CODING MARKING, IMPRINTING**

MAKER AND MODEL APPLICATION	SPEED	PRINT AREA	PACKAGE SIZE	FEATURES
Zebra ZT400 Label Printer	Same ZT410 Up to 14" (356mm) per second at 203 dpi Up to 10" (254mm) per second at 300 dpi Up to 4" (102mm) per second at 600 dpi	Print Width Up to 4.09" (104mm) - ZT410 Up to 6.6" (168mm) - ZT420 Print Length Up to 39" (991mm)	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra ZM400 Label Printer	Same ZT420 Up to 12" (300mm) per second at 203 dpi Up to 10" (254mm) per second at 300 dpi	Up to 4.09"x150" (depending on printer's resolution)	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra 105SLPlus Label Printer	Same - 203 dpi: 12" (305mm) per second - 300 dpi: 10" (254mm) per second	Up to 4" x 150" (depending on printer's resolution)	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra 170X4 Label Printer	Same Up to 12" per second	Up to 6.6"x150"	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra 220X4 Label Printer	Same Up to 10" per second	Up to 8.5"x150"	Varies	203 or 300 dpi; direct thermal and thermal transfer
Zebra ZM600 Label Printer	Same 203 dpi - 10" (254 mm)/sec 300 dpi - 8" (203 mm)/sec	Up to 6.6"x102" (depending on printer's resolution)	Varies	203 or 300 dpi; direct thermal and thermal transfer
Datamax I-Class Mark II Label Printers	Same Up to 12" per second (depending on printer's resolution)	Up to 4.16"x99" (depending on printer's resolution)	Varies	203, 300 or 600 dpi. Direct thermal; optional thermal / transfer
Datamax M-Class Mark II Label Printer	Same Up to 10" per second (depending on printer's resolution)	Up to 4.25"x99"	Varies	203 or 300 dpi. Direct thermal; optional thermal / transfer
Datamax H-Class Label Printer	Same Up to 12" per second (depending on printer's resolution)	Up to 6.6"x99" (depending on model and printer's resolution)	Varies	203, 300, 406 or 600 dpi. Direct thermal; optional thermal / transfer
Zebra R110X4 RFID Label Printer-Encoder	Same; can print and encode a variety of UHF radio frequency identification smart labels for a multitude of applications	- 14"/356mm per second - 203dpi - 12"/305mm per second - 300 dpi - 6"/152mm per second - 600 dpi	Varies	203, 300 or 600 dpi.
Zebra RZ Series RFID Label Printer-Encoder	Same; can print and encode a variety of UHF radio frequency identification smart labels for a multitude of applications	- 203 dpi: 10"/254mm per second - 300 dpi: 8"/203mm per second	Print width - RZ400: 4.09"/104mm - RZ600: 6.6"/168mm  Print length - RZ400: with 203 dpi: 157"/3,988mm; with 300 dpi: 73"/1,854mm - RZ600: with 203 dpi: 102"/2,590mm; with 300 dpi: 45"/1,143mm	203, 300 or 600 dpi.
QuadraColor Inkjet Label Printer	It can print on-demand high-resolution color labels that are perfect for the food, bakery, produce and other industries that use short-runs of labels.	Up to 12 ips (304.88mm/second)	Label media width - 2" to 9.5" (50.8mm to 241.3mm)	Varies Up to 1600 x 1600 dpi. Robust unwind/rewind; rollsize up to 12 inches
Epson SecurColor TM-C3400 Inkjet Color Label Printer	Same	Print Speed (max.) 360 dpi x 180 dpi, High-speed mode - 69mm/sec. (104mm print width) (2.7"/sec. (4.1" print width)) - 83mm/sec. (72mm print width) (3.3"/sec. (2.8" print width)) - 94mm/sec. (56mm print width) (3.7"/sec. (2.2" print width))	Print Speed (max.) 360 dpi x 180 dpi, High-speed mode - 69mm/sec. (104mm print width) (2.7"/sec. (4.1" print width)) - 83mm/sec. (72mm print width) (3.3"/sec. (2.8" print width)) - 94mm/sec. (56mm print width) (3.7"/sec. (2.2" print width))	Varies 360 dpi x 180 dpi, 360 dpi x 360 dpi, 720 dpi x 360 dpi
Epson ColorWorks GP-C831 Inkjet Color Label Printer	Same	Printable area up to 8.0" x 22"	Print speed (max.) Draft mode - 16.5 pages per minute Normal mode - 13.6 pages per minute Super line mode - 7.0 pages per minute	Varies 720 dpi x 720 dpi maximum

WIEDENBACH (In Canada: Leading Edge Injet)				
Wiedenbach CS 407 (Pigmented)	Small character continuous inkjet printer	800 m/m	Variable	Variable Prints up to 4 lines, integrated keypad, auto self-flushing head
Wiedenbach CS 405 (Dye as above based)		800 m/m	as above	as above Prints 1, 2 or 3 lines, software controlled, automatic self flushing head, 1 or 2 print heads Prints up to 4 lines

**COLD GLUE APPLICATORS**

MAKER & MODEL	ADHESIVE	USES	PATTERN/SIZE	OPERATION
<b>HMA SYSTEMS</b>				
ITW Dynacold Applicators	Cold Glue	High Speed Applications		
<b>ITW DYNATEC (In Canada: HMA Systems (Brampton, ON), Servi-Centre Ltee (Montreal, QC))</b>				
Dynacold	Cold resin	High speed carton seam, envelope	Contact and non-contact extrusion	Automatic, long life seals and cycle life
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Martens, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>				
LA Series Liquid Adhesive Pumps	Low to high viscosity adhesives and sealants	Folding carton, corrugated bag & sack, envelope mfrg.	Extrusion gun pressure	Piston pump
Rhino 5 Gal 55 Gal Bulk Delivery System	High viscosity adhesives, sealant, mastics, varnishes	Manual, automated applications.	Extrusion gun, pressure	Piston pump
<b>ROBATECH CANADA</b>				
Robatech Equipment	PVA, acrylics cold glue	High speed		Use on folder gluers
<b>Sort PRODUCTION PRODUCTS LTD</b>				
<b>VANSCO</b>				
<b>VALCO MELTON</b>				
Contact Extrusion Series	Medium to high viscosity formulas	All packaging, paper converting, print finishing	As needed, single or multiple bead, ribbon pattern	Various; all electric, air-operated
Non-Contact Extrusion Series	Low to Medium viscosity formulas	All packaging, paper converting, print finishing	As needed, single or multiple bead, spot gluing	Various; all electric, air-operated
Spray Series	Low to Medium viscosity formulas	All packaging, paper converting, print finishing	Fine (narrow) or fan (wide) patterns	Various; all electric, air-operated
<b>VANSCO PRODUCTS INC (In Canada: Sort Production Products Ltd.)</b>				
30 Series	Cold glue	Horizontal flaps	1/8 to 6 in.	Automatic/manual
35 Series	Cold glue	High speed	Single/dual/spray	Automatic
39 Series	Cold glue	Labelers	1 1/8 to 7 1/2 in.	Automatic

**COMBINATION - MULTIHEAD WEIGHING**

MAKER & MODEL	SPEED CAPACITY	ACCURACY TOLERANCE	WEIGHT CAPACITY	CONFIGURATION S	SPECIAL FEATURES	CHANGE OVER
<b>ABBEY PACKAGING EQUIPMENT LTD</b>						
Multipond GmbH 400 Series	500+	<0.1g	0.5g to 50g	28 and 36 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	
Multipond GmbH 1000/1000S5 Series	Up to 450wpm	<0.1g	0.5g to 500g	10 to 36 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	
Multipond GmbH 2400/2400S5 Series	Up to 200wpm	<0.5g	10g to 1.5g	10 to 36 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	
Multipond GmbH 3800 Series	Up to 200wpm	<0.5g	100g to 5kg	10 to 24 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	
Multipond GmbH 7100 Series	Up to 140wpm	<0.5g	to 7.5kg	10 to 24 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	

**COMBINATION - MULTIHEAD WEIGHING**

MAKER & MODEL	SPEED CAPACITY	ACCURACY TOLERANCE	WEIGHT CAPACITY	CONFIGURATION S	SPECIAL FEATURES	CHANGE OVER
Multipond GmbH 9600 Series	Up to 120wpm	<1.0g	5g to 10kg	10 to 24 Heads	High Speed/Accuracy, Tool-less Mixing, Counting, Customized solutions for difficult applications	
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>						
Hayssen - Radial Combination Weigher	Varies dependent on product	Varies dependent on product	Up to 5 Kg	Up to 24 weigh heads	Available for various applications, such as mixing and blending. Can be paired with VFFS, HFFS or multiple point discharge packaging machinery	Tool-Less
Hayssen - Atom	Varies dependent on product	Varies dependent on product	Up to 5 Kg	Up to 24 weigh heads	Available for various applications, such as mixing and blending. Can be paired with VFFS, HFFS or multiple point discharge packaging machinery	Tool-Less
<b>AUTOMATED PACKAGING SYSTEMS INC (In Canada: Pack Pro Systems, Inc. Stouffville, ON)</b>						
Autobag Linear	to 45 bpm	n/a	8 lbs	1-4 heads	Available in stainless steel. Fully automatic	n/a
<b>COMBISCALE LLC</b>						
CS 5L	Up to 70/min		Up to 55 lbs			
CS 1.5L	Up to 120/min		Up to 7 lbs			
CS 2.5L	Up to 120/min		Up to 18 lbs			
PrimoWeigher	200+/min		Up to 7 lbs			
PrimoWeigher	200+/min		Up to 18 lbs			
PrimoWeigher	Up to 80/min		Up to 55 lbs			
<b>HEAT &amp; CONTROL CANADA INC</b>						
Ishida CCW-RV	to 210 wpm	1g	to 8,000g	14 head	IP66, 67 & 69K waterproof, self-draining surfaces, auto set-up, wireless control	200 presets
Ishida CCW-R	to 400 wpm	various	various	10,14,16,18,20,24,28 head	Models for all applications: dry, washdown, USDA	200 presets
Ishida CCW-R RH/VH	to 95 wpm	to < 0.5g	800g	10-30 heads	USDA Dairy-Accepted Digital metering	200 presets
Ishida CCW-R 218/224/228-WB	to 120 wpm	<0.5g - 1g	to 400g	Product mix-weighing	High speeds, gentle handling products	200 presets
Ishida CCW-R-218WB-OV	to 280 wpm	<0.5g - 1g	400-800g	double weigher	Optimized for twin-bagmaker interface saves floor space, 200 product presets	200 presets
Ishida CCW-R-GS (gentle slope)	to 130 wpm	.5g - 1g	to 4000g	Large and small capacity models	Gentle handling	200 presets
Ishida CCW-R-214WB (screw feeder)	to 45 wpm	.5g - 1g	to 1,600g	14 head	Dual screw feeders move fresh meats, pasta, other sticky foods; IP66 washdown	200 presets
Ishida CCW-RV-232B	up to 440 wpm	0.1gram	up to 400g or 800g	IP69K, high-speed weighing, blending	up to 8-part blend weighing	No tools needed
Ishida CG-R circular weigher	up to 240 wpm		100g - 1,000g and 1,000g - 3,000g	Compact circular	Granular, dry product; fits single and twin tube bagmakers	No tools needed
Ishida CCW-RV MICRO	to 120 wpm	.g - .01g	to 40g	14 head	Ultra-low target weights	No tools needed
<b>VC999 CANADA LTD</b>						
XTravac Model HPM line (high precision)	20 to 120 WPM	0.3 to 0.8 Gr	25 to 500 Gr	from 4 to 24 heads	All stainless steel, all options available and platforms, different surface finish	
Xtravac HPM line (large size)	up to 120 WPM	1 - 3 Gr	up to 750Gr	10 to 24 heads	Up to 2.5 liter bucket, different surface finish	
Xtravac SMW line (standard weigher)	up to 120 WPM	0.5 - 2 gr	25 to 500 gr	6-24 heads	Different surface finish, stainless steel	
<b>YAMADO CORPORATION</b>						
Omega	200 weighments/min			Single and multi-point discharge	IP-67 washdown, load cells can withstand 150kg of force, tapered body design, polygonal-shaped weigh buckets	
Alpha	120 weighments/min			Single and twin discharge	Digital filtering, spring-less buckets	

**CONTROLLERS - LOGIC**

MAKER & MODEL	CAPABILITY	SPEED	FEATURES
<b>BOSCH REXROTH CANADA</b>			
Rexroth MLC Controllers	High Performance	5 micro seconds per 1,000 instructions	
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Martens, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>			
Eclipse Series Pattern Controls	Precise adhesive placement & real-time pattern adjustment capability	EPC 30:300 m/min (984ft/min) EPC 15:150m/min (500 ft/min)	Select EPC 15 for time-based program for constant line speeds or EPC 30 for distance-based program for constant or variable line
LogComm Pattern Control and Verification System accuracy via touch screen	Program patterns and verify adhesive pattern/placement	1200m/min (3937ft/min)	Multiple gun control and trigger inputs, production reporting, detect & verify bar codes, cellophane windows, security tags etc.
EcoBead Pattern Generator for OptiBond Solutions	Easily configures bead size and patterns	5ms minimum on time	40 preset programs with 30-40-50-60% adhesive savings
<b>UNITRONICS</b>			
V1210-T20BJ (Unitronics)	Up to 1,000 IO points	9 micro sec per 1K of typical application	12.1" Colortouch screen with integrated PLC
V1040-T20B (Unitronics)	Up to 1,000 IO points	9 micro sec per 1K of typical application	10.4" Colortouch screen with integrated PLC
SAMBA	IO options: Digital, Analog, including High-Speed	15 micro sec per 1K of typical application	Colortouch PLC with onboard IO. Free Support & Free Software. Available HMI Sizes: 3.5" and 4.3"
Vision130 (Unitronics)	up to 256 IO points	20 micro sec per 1K of typical application	2.4" Graphical Display, alpha-numeric keypad and onboard IOs: Complete Control
<b>VALCO MELTON</b>			
MCP-4 Adhesive Pattern Control	Control up to 4 glue valves for complex or multiple glue patterns		Full-color display screen and easy-to-use graphical user interface.
MCP-6 Adhesive Pattern Control	Full-featured 6 channel adhesive control system	240 m/min (800 ft/min)	Full-color display screen and easy-to-use graphical user interface.
MCP-8 Adhesive Pattern Control	8 channels of gluing with up to 10 individual glue patterns		Full-color display screen and easy-to-use graphical user interface.
OT120/VC Gluing & Quality Assurance	Control gluing, inspect glue patterns, and monitor product codes with a single unit	1200 meters/min	Large, easy to use touch screen operator interface

**CONVEYORS**

MAKER & MODEL	SIZE	OPERATION	FEATURES
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>			
Hartness - Global Laner	Up to 200 feet per minute	Global Laner quietly and efficiently moves containers to their respective lanes	Handles lightweight containers, continuous motion flow, small footprint
Hartness - Dynac 6400	150-225 Linear Flat, Helical Design	Single file FIFO accumulation conveyor	Fully automatic, pressure less accumulation, diverse, flexible product handling
Smalley Manufacturing	Various	Bucket Lifts, Horizontal Motion Conveyor, Pack-Off, Storage Conveyors, Blending Conveyors	Sanitary Design, Custom design, fabrication, project management
Hartness - Dynac 7000	180-540 Linear Flat, 2-6 Levels, Helical design	Mass Flow FIFO accumulation conveyor	As above
<b>BEST PACKAGING SYSTEMS</b>			
Netaflex Model 226, 275, 375	14", 18", 24", 30" W x up to 62" L	Gravity & Power	Expandable
<b>BOSCH PACKAGING TECHNOLOGY INC (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>			
Doboy	Single belt, double belt, V-trough & Slat/Yoke	As required	Designed to bag closing line requirements
<b>BOSCH REXROTH CANADA</b>			
Vario Flow Chain Conveyor	Extreme 1,000 Capacity		Comprehensive range of conveyor chains.
Vario Flow S - Stainless Steel	1,250 N		
<b>Rexroth Vario-Flow</b>			
<b>CAPMATIC LTD</b>			
Capmatic table top conveyor	Varies	Bottles, cans, boxes	S.S., derlin chain
Capmatic belt conveyor	Varies	Cartons, pack off	S.S. construction, unscrambling, round container
<b>COUSINEAU PACKAGING INC</b>			
<b>Cousins, Almac</b>			
<b>DESCON CONVEYOR SYSTEMS</b>			
Descon	Varies	Full & empty case/carton/shell	Air, high speed single filing/deceleration, accumulation, servo, merging/indexing, vacuum, vertical, incline/decline, bucket.
<b>DJS ENTERPRISES</b>			
DJS	8' to 20' long	S/S conveyors with DC controls and motors	Stainless Construction with guardrails





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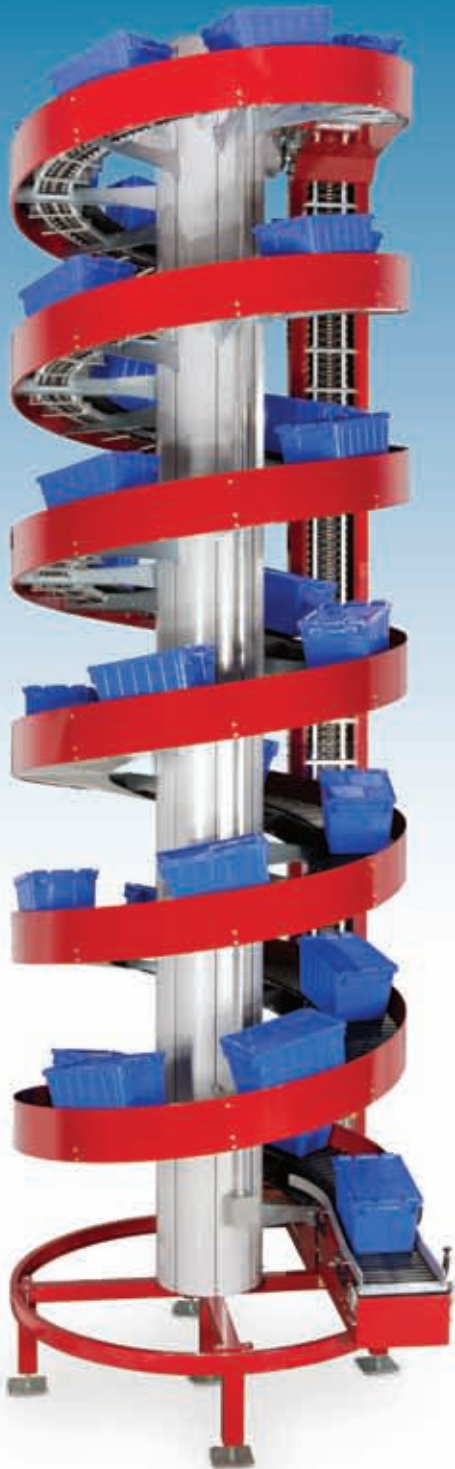
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CONVEYORS			
MAKER & MODEL	SIZE	OPERATION	FEATURES
<b>DORNER MFG CORP</b> 1100 Series	Built to Order	Varies	Small or light weight product movement, low profile height, clean room certified
2200 Series			Small to medium part handling, tight transfers, precision part movement, automated and manual assembly
3200 Series			High speeds, long runs, inclines and declines, precision part movement, mainline packaging
2200 Series SmartFlex			Tight transfers, accumulation, curves, jogs, inclines and declines, long lengths, complex configurations
2200 Series SmartFlex Pallet Systems			Modular design, accurate positioning and routing, pin tracking system, cushioned pallet stops
2200 Series Precision Move Pallet Systems			Dual belt pallet system, pin tracking system, corner and merge modules
AquaGard 7100 Series			Sanitary conveyor, inclines and declines, multiple curves, fast belt speeds
AquaGard 7200 Series			Stainless steel frame, low profile, easy to clean, washdown ready
AquaGard 7300 Series			Flat and cleated belts, low-profile, washdown rated streamlined design
AquaGard 7350 Series			FDA approved components, straight, curves and z-frames, powered transfer option
AquaGard 7360 Series			Stainless steel open frame design, heavy loads, FDA approved components
AquaPruf 7600 VBT (Vertical Belt Technology)			90 degree elevation change, open frame design, staggered sidewall belt
AquaPruf 7400 Series			Open frame design, tool-less cleaning, straight, curved, and z-frame models
AquaPruf 7600 Series			Sanitary design, flat belt, cleated, z-frame models
AquaPruf 7400 ULTIMATE			High pressure washdown environments, tool-less cleaning, open-frame design
AquaPruf 7600 ULTIMATE			High pressure washdown environments, tool-less cleaning, open-frame design
<b>ECKERT MACHINES INC</b> Dorner Mfg.	Various models available to meet customers' needs		Aluminum or stainless steel frames, various sizes and belting materials available based on application.
<b>EDSON PACKAGING MACHINERY LTD (In Canada: Alex E Jones &amp; Associates)</b> Edson	1-X, 1-2, 2-4, 2-5	Laner	Conveying of the product
<b>FLEXLINK SYSTEMS CANADA (In Canada: ABF Systèmes Inc. Boucherville, QC; PharmaCos Machinery Inc Saint-Laurent, QC)</b> FlexLink table top conveyor, UC Industries belt conveyor, Hitrol case conveyor and sortation			
<b>FRAZIER &amp; SON (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b> Frazier & Son Bucket Conveyors/Elevators	4"x8"	90-120 cu. ft./hr	Single/multiple discharges, various configurations, bucket materials & washdown designs
Frazier & Son Bucket Conveyors/Elevators	6"x10"	180-240 cu. ft./hr	Single/multiple discharges, various configurations, bucket materials & washdown designs
Frazier & Son Bucket Conveyors/Elevators	9"x20"	585-780 cu.ft./hr	Single/Multiple discharges, various configurations, bucket materials and washdown designs
<b>GARVEY CORPORATION</b> Infinity Series	Varies	Quiet clean stainless steel	UHMWPE tracks provide smooth quiet ride with full cleanability
9000 Series	Varies	Modular	Stainless steel, table top chain
3600 Series	Varies	as above	Painted cold rolled steel
Infinity Series FIFO	Varies	First-in, first out	Table fills inside out with no backpressure
Infinity Series 3D	Varies	Accumulates, orients & discharges flow wrapped packages, bags, trays & cartons	Accumulation between upstream & downstream machines with no backpressure.
<b>GEBO CEREMEX CANADA INC</b> CONVEYOR AUTOMATION			SIDEL automation enhances line efficiency by applying balanced line flow principle. Meet client specifications. User friendly programming
<b>AIR CONVEYORS</b> Air Conveying of empty container in single file. Lightweight bottle below 10gr. Automatic servo driven guide rail. High speed switch gate. Three air filtration grades up to Hepa.			
<b>Table top conveyors</b> Conveying of bottles cans jars and containers in single file or mass. Stainless steel or painted finish. Sanitary clean design			
<b>ALS</b> Automatic adjustable guides. Diversified production means a large number of format changeovers, which have to be quick, in less than a minute and reliable. The simplicity of the ALS guide means that it can be reliably adapted to the majority of containers and conveyors on the market. It accepts an unlimited number of formats.			
<b>PRESSURELESS COMBINER</b> Pioneer in pressureless combiners automated technology. Operating up to 2,000cpm			
<b>Case Conveyors</b> for empty & full cases. Stainless steel or painted steel.			
<b>GO PACKAGING</b> Prime Conveyor	Various	Gravity or Fully automatic	
<b>HARTNESS INTERNATIONAL (In Canada: Alex E. Jones &amp; Assoc.)</b> Dynac 6100	150 -225 linear fat. helical design	Single file, FIFO accumulating conveyor	Fully automatic, pressure less accumulation, diverse, flexible product handling
Dynac 6200	Variable length floor level	As above	As above
Dynac 7000	180-540 linear fat. 2-6 levels, helical design	Mass flow, FIFO accumulating conveyor	As above
<b>HEAT &amp; CONTROL CANADA INC</b> FastBack Blending Conveyor	Various	Horizontal motion	Load cells accurately, meter different ingredients, gentle blending
Fastback Switchback accumulation	Various	Horizontal motion	Up to 52 cu. feet capacity Inline short-term accumulation
Fastback sizing/separating Conveyor	Various	Horizontal motion	Size sort and remove fines, gentle handling, easy cleaning
Fastback ClimbBack uphill Conveyor	Various	Horizontal motion	Move product on slopes up to 8 degrees, easy cleaning, quite compact
Fastback Weighback Weigh Conveyor	Various	Horizontal motion	3 load cells for high accuracy, easy-to-clean
Fastback FDX	Various	Horizontal motion	Compact, re-usable drive, conveys up to 2,500 lbs on 100 feet long runs
MinuteMan accumulation	Various	Live Bottom Belt	Up to 180 cubic feet capacity
VariLift Bucket Conveyor	Various	Bucket	No Spill; S.C Horizontal Configurations
FastBack 400E	Various	Horizontal motion	400 lb. pan capacity accepts distribution gates, various pan sizes
Heat and Control Vibratory	Various	Electromagnetic, indirect, or direct drive	Configure for conveying, grading, alignment, dewatering, spreading, bi-directional conveying
<b>INTELLIGRATED INDUSTRIES CANADA LIMITED</b> IntelliQ ZoneFlex		Belt-driven, zero pressure accumulation	
Accuglide ZoneFlex		Chain-driven, zero-pressure accumulation	
Motor Driven Roller (MDR) conveyor		Zero contact accumulation	
E-Z Set live roller conveyor		Positive transportation and low-pressure accumulation	
Accumat		Rollerless plastic-belted zero pressure accumulation	
V-belt live roller conveyor		Flexible configurations to transport product through curves, skews, merges and sorters	
Brake meter conveyor		Control merge releases and provide consistent gaps between cartons at high speeds	
Casemat		Modular plastic belt surface well-suited for food, beverage and consumer product applications	
Pallet Accuglide conveyor		Multiple zone live roller for positive transportation and zero-pressure accumulation	
Air chain pallet conveyor		Zone-based zero pressure or continuous low pressure accumulation	
Chain-driven live-roller pallet conveyor (CDLR)		Low maintenance, positive conveyance of wide range of loads	
Palmat pallet conveyor		Full-width transportation conveyor with supported modular plastic belt for positive load conveyance	
Turntables		Smooth, stable load rotation	
Pivoting chain transfers		Merge loads from multiple lanes into a common trunk line	
Right angle transfers		90-degree change in pallet flow direction	
Gravity conveyor		Non-powered conveyance for reduced complexity	
Belt conveyor		Control merge releases, provide consistent gaps at high speeds	
Empty corrugate conveyor		Designed specifically for corrugate trash and bulk conveyance	
Multi-strand chain conveyor		Positive conveyance of a wide variety of loads	
IntelliFlow		Mix of powered and non-powered rollers for decline application	
<b>KRONESMACHINERY CR LTD</b> Case Conveyor	Built to suit application	Touch screen operation and changeover	Stainless steel construction - low back pressure design-low energy consumption
Container conveyors	Built to suit application	Touch screen operation and changeover	Stainless steel construction - low back pressure design- low energy consumption
Pallet conveyors	Built to suit application	Touch screen operation and changeover	Soft start VFD operation - stainless steel construction-low energy consumption
Airveyor	Built to suit application	Touch screen operation and changeover	Stainless steel construction - low back pressure design-low energy consumption gentle container handling, automatic guiderail adjustment
<b>LOMA SYSTEMS INC (In B.C. &amp; Alta.: Ross Packaging)</b> Loma Systems	Various		Reject Design Capabilities
<b>MULTIVAC CANADA</b> Multivac MCS Conveyors	Up to 4,000mm		Transport speed up to 1,000 mm/s
<b>NEWMAPAK LTD</b> Newmapak modular table top conveyor			All stainless steel construction
Newmapak case conveyor			All stainless steel construction
Newmapak pallet conveyor			All stainless steel construction
Newmapak accumulation systems			All stainless steel construction
Newmapak line dividers			All stainless steel construction
Newmapak elevator + lowerators			All stainless steel construction
<b>PLAN AUTOMATION INC</b> Storcan	Various	Continuous and Intermittent	
<b>PREMIER TECH CHRONOS</b> Gescofab Belt Conveyor	Various	Bottles, cans, cartons, bags, etc. applications vary from manufacturing to distribution operations	Different configurations for specific applications are available



## CONVEYORS

MAKER & MODEL	SIZE	OPERATION	FEATURES
Belt Driven Live Roller	Various	Medium to heavy cartons, applications vary from manufacturing to distribution operations	Various configurations are available from straight conveyor, self-powered curves, slave driven curves and self-powered spurs. The system is also available as zero pressure accumulation with electronic sensors.
Live Roller Line Shaft	Various	Bottles, cans, cartons, bags, etc. applications vary from manufacturing to distribution operations	Rollers are driven by individual elastomeric belts from a common drive shaft. The system is also available as zero pressure accumulation with electronic sensors
"V" Belt Driven Live Roller Conveyor	Various	Bottles, cans, cartons, bags, etc. applications vary from manufacturing to distribution operations	Various configurations are available from straight conveyor, self-powered curves, slave driven curves and self-powered spurs
Heavy-Duty Belt Driven Live Roller Conveyor	Various	Applications vary from manufacturing to distribution operations	The system is also available as zero pressure accumulation with electronic sensors
Chain Driven Live Roller Conveyor	Various	For higher load capabilities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries	Single strand and roller-to-roller configurations are available to meet specific requirements. The system is also available as zero pressure accumulation with electronic sensors.
<b>R J MACHINERY INC</b>			
Brinerline conveyors	3 to 12 in. width	Plastic mesh, open chain	Stainless steel panels & drip trays
Tabletop conveyors	As above	DC powered, plastic slats	One piece SS panels, sanitary design, inboard bearings
Efficiency line	As above	Conveyor integrated onto SS table	Table will support filler-capper-labeler
<b>REISER CANADA CO</b>			
Supervac GesmbH	Various	Automatic	
<b>RILEY PRODUCT HANDLING (In Canada: Charles Downer &amp; Co. Ltd.)</b>			
Riley biscuit handling systems		Vibratory/belt/airbed	Gentle handling, accumulation feeding systems
<b>RYSON INTERNATIONAL INC</b>			
Spiral conveyors	Made to order	Vertical conveying	Save space, high throughput
Mass Flow conveyors	As above	Conveying cans & bottles	As above
Bucket elevators	As above	Convey bulk material	Gentle handling
<b>SADLER INC (In Canada: Sadler Conveyor Systems (ON))</b>			
Roller conveyors	15-60 in. wide, 3 in. increments	Gravity	Alum, steel or plastic. Straights, curves, merges, spurs & gates
Wheel conveyors	15, 21, 27 in. wide; 10 to 38 wheels/ft	Gravity	Alum or steel, shapes same as roller conveyor
<b>SHAWPAK SYSTEMS LTD</b>			
Belt Conveyors	To suit	To suit application	Stainless steel construction, sanitary design
Chain Conveyors	To suit	As above	As above
Cooling Conveyors	Up to 300 ft.L. 50 in.W	Variable speed	Auto on demand operation, manual indexing
Metal Detector Conveyors	To suit	For use with all brands of metal detectors	Stainless steel construction, sanitary design with automated reject device
Accumulation Tables	24, 36 & 48 in. rotary & table top	Fixed & variable speed	Stainless steel construction, sanitary design
<b>SPEEDWAY PACKAGING MACHINERY</b>			
Speedway Modular Plastic Belt	Custom		Modular design
<b>STORCAN LTD</b>			
Storcan Table Top & Case Conveyors, ICS/RIONDE bulk conveyors & accumulation Silos			
<b>SUPERVAC MASCHINENBAU GMBH (In Canada: Reiser (Canada) Ltd., Burlington, ON)</b>			
Supervac GesmbH	Various	Automatic	
<b>TECHNICOR INDUSTRIAL SERVICES INC</b>			
Chain tracks and Curves	12 ft max.	Plastic belt & chain	Low friction, quiet
<b>TRI MACH GROUP INC</b>			
Ever-Kleen	Any/Custom		
<b>UNITRAK CORPORATION LIMITED</b>			
TipTrak Bucket Elevators	Various	Continuous	Interlocking buckets, operates horizontally & vertically.
Powderflight Aeromechanical Conveyor	Various	Non-continuous	High throughput rate, dust-free conveying with a small footprint
UniFlex Flexible Screw Conveyor	Various	Non-continuous	Cost effective, reliable, portable conveyor with only one moving part
<b>WEBER MARKING SYSTEMS OF CANADA</b>			
Weber - Custom Conveyors			
<b>WEIGHPACK SYSTEMS INC</b>			
Bucket Infeed, Cleated Infeed	Various	AC or DC drives	Control box, level sensors
Box indexing	All sizes	As above	As above
Bottle indexing, L-shaped, Screw conveyor, Exit conveyor	As above	As above	As above

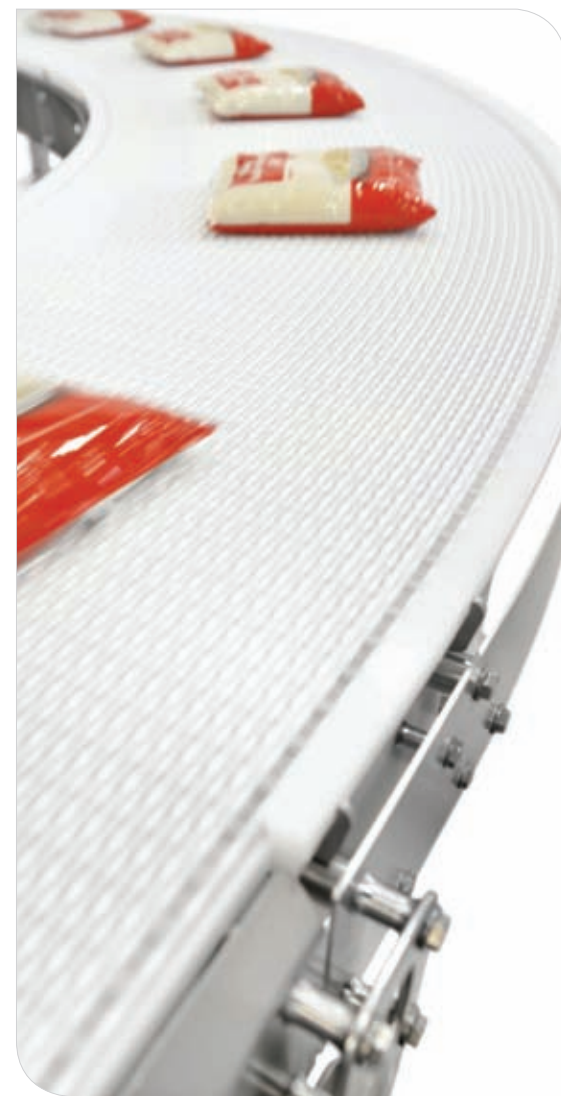
## DISPENSING

MAKER AND MODEL	TYPE	FEED FROM	FEED TO	SPEED	FEATURES
<b>CAPMATIC LTD</b>					
SYNCHROBLOCK	Desiccant Cotton Inserter	up to 1500cc		up to 250 BPM	Integrated to existing lines and synchronize to other Tablet Equipment
SteelHeart	Peristaltic Pump	0.1ml	1 Lt		Servo driven, stainless steel construction, easy clean exterior, adaptable for cleanrooms.
<b>HIBAR SYSTEMS LIMITED (In Canada: Inox Pumps &amp; Process - Div. of Hurricane Pump Distributon Inc, Saint-Laurent, QC)</b>					
H series pumps	Liquid positive displacement piston pump	Hopper	Wide range of bottles etc.	0-200/min.	High accuracy, easy volume adjustment, no dripping, easy maintenance
B series	Liquid positive displacement piston pump	Hopper	Wide range of bottles etc.	0-200/min.	High accuracy, easy volume adjustment, no dripping, easy maintenance
MD series	Micro Dispense Pump	Hopper	Wide range of bottles etc.	0-500/min.	High accuracy, easy volume adjustment, no dripping, easy maintenance
RP Series	Seal-less Ceramic	Hopper	Wide range of bottles etc.	0-500/min.	High accuracy, easy volume adjustment, no dripping, easy maintenance
ISP	Integrated Servo Pump	Hopper	Wide range of bottles etc.	0-1500/min.	High accuracy, easy volume adjustment, no dripping, easy maintenance
<b>LONGFORD INTERNATIONAL LTD</b>					
C350/C750	Sheet Feeder	1"x1"	11x17	400 ppm	Servo Drive
SF375	Desiccant Feeder	1"x1"	4x7	300 ppm	Multi Servo Drive
30901	3 Dim. Prod. Feeder	2"x2"	4"x9"	180 ppm	
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Marten, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>					
e.dot+ Electric Guns	Electric, high speed, accurate dot placement for labelling, coupons, pharma, specialty packaging			1.8 ms minimum on time with viscosity range of 1,000 to 5,000 cps	Compact, high-speed, quiet operation, exceptional service life
E-400 Electric Guns	Electric, high speed superior accuracy and repeatability			ms minimum on time with viscosity range of 1,000 to 10,000 cps	Bead and dot patterns, high-speed, superior accuracy and repeatability
MiniBlue II Guns	Pneumatic High speed, long life			2ms minimum on time with viscosity range of 500 to 5,000 cps	Industry fastest, longest life
PatternJet Plus	Pneumatic, high speed applications requiring flexibility to change patterns, labeling			15ms minimum on time with viscosity range of 500 to 15,000 cps	Intermittent patterns, contact or non-contact nozzles
SolidBlue Hot Melt Dispensing Guns	Pneumatic AO/AC and AO/SC styles			15ms minimum on time with viscosity range of ,000 to 5,000 cps	Myritex seals for long life, EasyOn module mounting
SureBead Reduced Cavity Hot Melt Dispensing Guns	Pneumatic AO/AC and AO/SC styles			15ms minimum on time with viscosity range of ,000 to 5,000 cps	Self-cleaning, reduced cavity, changeable nozzles
SureSeal Non-Contact Sift Proof Gun	Electric. Eliminate product loss at seams; single or dual gun systems			Over 450 cartons/min	Installs easily with Integrated slotted, gun mounting bracket quick change nozzle plates
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>					
Model CDF, CDFS	Canister	Loose	Bottles	50-300	Pharma grade
Model PDF	Pouches	Reel	Bottles	50-300	Pharma grade
Omni Feeder	Puches & Canister	Reel & Loose	Bottles	50-300	Pharma grade
<b>SPEEDWAY PACKAGING MACHINERY</b>					
Primera DX 850	Label/Dispenser			Variable	
<b>VALCO MELTON</b>					
EcoStitch Electric Guns	High-speed, all-electric, precise dot patterns for case/carton sealing, tray forming, case erecting				Outstanding service life, compact, easy change-outs
<b>YASKAWA AMERICA INC (In Canada: Yaskawa Canada, Inc., Mississauga, ON)</b>					
MH50 II Robot	Coating/Dispensing			High	6-axis, 50 kg, 3,578 mm reach
MH50 II-35 Robot	Coating/Dispensing			High	6-axis, 35 kg, 4,448 mm reach
MH50 II-20 Robot	Coating, dispensing			High	6-axis, 20 kg, 5,585 mm reach

## FILLING DRY PRODUCTS

MAKER AND MODEL	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
<b>ABBEY PACKAGING EQUIPMENT LTD</b>				
Multipond GmbH 400 Series	Mini bags, soup mixes and dried ingredients	<0.1g 450+wpm	1g-200g	Combining, mixing, counting and dosing applications - High Speed/Accuracy, Mixing, Counting, Customized solutions for difficult applications
Multipond GmbH 1000/1000S5 Series	Portion weights for individual dump to 500g	<0.1g 450wpm	1.6kg/3.21	Combining, mixing, counting and dosing applications - High Speed/Accuracy, Mixing, Counting, Customized solutions for difficult applications
Multipond GmbH 2400/2400S5 Series	Portion weights for individual dump up to 1.500g/3.000g	<0.2g 200wpm	1.5-3kg	Combining, mixing, counting and dosing applications - Quiet Fast, High Accuracy, Multipoint distribution, Stainless Hoppers, High Speed Applications
Multipond GmbH 3800 Series	Portion weights for individual dump to 5.000g	<0.5g 200wpm	to 5kg	Combining, mixing, counting and dosing applications - Quiet Fast, High Accuracy, Multipoint distribution, Stainless Hoppers, High Speed Applications.

# Clean, safe conveying



Designed for maximum available production time and operating convenience, the new modular belt conveyor in stainless steel is robust, safe and easy to clean. The standardized design and modularity make changes of the production line easy. It's the smart, long-term investment in your bottom line and your operators!

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**FILLING DRY PRODUCTS**

MAKER AND MODEL	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
Multipond GmbH 7100 Series	Portion weights for individual dump up to 7.500g	<0.5g Up to 20wpm	Up to 7.5kg	High Speed/Accuracy, Mixing, Counting, Customized solutions for difficult applications, stainless hoppers, large applications
Multipond GmbH 9600 Series	Portion weights for individual dump up to 10.000g	<1.0g 120wpm	Up to 100kg	High Speed/Accuracy, Mixing, Counting, Customized solutions for difficult applications, multipoint distribution, stainless hoppers, large applications
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Mamata - Vega Pack M-200	Bag - Stand-up Pouch	Up to 100ppm	Up to 2kg	Continuous motion, Servo Driven, Automatic Change-over
Mamata - Vega Pack iX260	Pre-Made Stand-up Pouch	Up to 120ppm	Up to 2Kg	Intermittent and Continuous motion, Servo Driven, Automatic Change-over
Hayssen - Ultima Series	Bag	Up to 160ppm	Varies up to 20Kg	Intermittent motion, Servo drive, VFFS
Hayssen - Logic Flex	Bag	Up to 85ppm	Varies up to 5kg	Intermittent motion, Servo drive, VFFS. Variable inclination, between 25° and 55°, allows the best relationship between packaging speed and product protection
Hayssen - Novus Doy/Quad	Bag	Up to 220ppm	Varies up to 5kg	Intermittent and Continuous motion, Servo drive, VFFS
<b>ALL FILL INC (In Canada: Alex E. Jones &amp; Associates; Thos. W. MacKay &amp; Sons)</b>				
B-350e	Glass, cans, cartons, bags	To 30 cpm	1g to bulk	Auger, semi-automatic
SHA-600	Glass, cans, cartons	To 60 cpm	Infinite variation	Single-head automatic auger, conveyerized, automatic
BD-600	Bags, cartons, rigid containers	50 cpm	4 oz to 50 lb	Weight-auger, bulk & dribble
<b>ARTYPAC AUTOMATION INC</b>				
TORNADO 600	Bags, cans, cartons	Up to 80 cpm	1g to 50 kg	Automatic and semi-auto auger filler with Vectormotion drive system
ROTOR 40	As above	Up to 60 cpm	10 g to 10 kg	Automatic and semi-auto volumetric cup filler, single and multiple dump
ROTOR 60	As above	Up to 80 cpm	As above	As above
<b>BOSCH PACKAGING SYSTEMS AG SIGPACK (In Canada: Charles Downer Co. Ltd., Richmond Hill, ON)</b>				
Stick Pack Machine (multilane)	Stick Packs	100 cpm	150 mg-50 g	PLC
RA				
Vertical Flat Pouch Machine RX	Sachets	125 cpm	As above	As above
<b>CAPMATIC LTD</b>				
StreetFighter 100	Coated/non-coated tablets - Capsules-Gel	Max BPM/ 120	per 100 count	
StreetFighter 200	Coated/non-coated tablets - Capsules-Gel	Max BPM/240	per 100 count	
Street Fighter	Coated/non-coated Tablets-Capsule-Gel	Max BPM 50	per 100 count	
NanoStar		60 BPM		Powder Filler
PowderStar		60 BPM		
Mini Fighter				
Mini Fighter Plus				
<b>COMBISCALE LLC</b>				
CS 5 L	all	Up to 70/min	Up to 55 lbs	Automatic or Semi Automatic
CS 1.5 L	all	Up to 120/min	Up to 7 lbs	As above
CS 2.5 L	all	Up to 120/min	Up to 18 lbs	As above
PrimoWeigher	1.5L	200+/min	Up to 7 lbs	As above
PrimoWeigher	2.5L	200+/min	Up to 18 lbs	As above
PrimoWeigher	5 L	Up to 80/min	Up to 55 lbs	As above
<b>DJS ENTERPRISES</b>				
New Automatic Granule Packaging Machine Model DJS40	Date printing and sealing a 3 or 4 sided seal	Bag Size: Length 55-110mm x W 30-80mm Fill Range of 5ml-40ml. Packing Speed of 50-100 per min depending on the product.	Packaging Weight: 10 grams to 2500 grams	
New Stainless Steel Automatic Powder Filling Machine, Model DJS-2B-1		Packaging Rate: 15 - 60 per minute depending on size of fill and type of product.		
<b>ELMAR WORLDWIDE (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
Elmar Multi Flex-C Particulate Filler	Cans, Bottles, Cups	70-1,000cpm	2-4.25" Dia/51-81"Ht	Volumetric - Stand Alone & Monoblocks No Container/No Fill Available
Elmar Rotary Particulate Filling	Rigid Wall Containers	35-1,500 upm - model specific	Various	Rotary Pocket Fillers - Beans, pasta, veg...
<b>GENERAL PACKAGING EQUIPMENT CO (In Canada: B&amp;T Packaging; Fladgate Packaging Systems)</b>				
800_1000	Bags	Up to 60/min.	10 g - 5 kg	Net weight
<b>HARPAK ULMA PACKAGING LLC</b>				
DTT Rotary	Cups, trays	up to 200/min	up to 1202	Rotary volumetric
<b>HEAT &amp; CONTROL CANADA INC</b>				
Dual Axis Funnel Follower	Box, tray	Various	Various	Travelling funnel

**FILLING DRY PRODUCTS**

MAKER AND MODEL	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
Ishida CCW Multihead Weighers	Bag, box, jar, can, tray	Various	Various	Computer combination weighing with product transfer
Product Transfer Shuttle	Multi-pocket thermoform	Various	Various	Multi-hopper fill stations
<b>MECANO INDUSTRIES</b>				
Mecano VF-20	Customer specific	20 containers/minute	Small to midsize	automatic
<b>NALBACH ENGINEERING COMPANY INC</b>				
NAF Nalbach Auger Filler	Glass plastic, metal composite	120 cpm	5g-15kg	Volumetric
NRAF Rotary Auger Filler	As above	400 cpm	1oz-10lbs	As above
<b>NJM PACKAGING</b>				
Cremer CF-622 Tablet Counter	Bottles	up to 300bpm	3 to 30 mm dia x 3 to 30 mm length tablets / capsules	Servo modular technology can accommodate up to 8 modules
<b>PEMBERTON &amp; ASSOCIATES INC</b>				
Femc Various	Plastic tubs	0-100 per min.	Various	
<b>PLAN AUTOMATION INC</b>				
Ohison Packaging	Rigid	Up to 100ppm	1oz - 5kg	Intermittent
<b>PLEXPACK</b>				
Weigh Right IQ-1E	Bags, boxes, bottles	To 14 pm	10lbs.	Manual
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesop Packaging Systems, Pointe Claire, QC)</b>				
Laudenberg / PSG LEE	Stand up pouches	500 ppm	Up to 1 Litre or Kg	Form, Fill, Seal
PSG Sung	Trays, Tubs, Cups	Various	Various	Fill, Seal
Caveco	Trays, Tubs, Cups	Various	Various	Fill, Seal
<b>PREMIER TECH CHRONOS</b>				
Premier Tech Chronos PTK-2700	Paper, PE and woven PP	Up to 40 BPM	10 lb to 110 lb	Fully automated
Dual Spout Open-Mouth Bagger	open-mouth bags			
PTK-1700 High-Speed Open-Mouth Bagger	Paper, PE and woven PP open-mouth bags	Up to 25 BPM	10 lb to 110 lb	Fully automated
PTS-1300 Open-Mouth Bagger	Paper, PE and woven PP open-mouth bags	Up to 23 BPM	10 lb to 110 lb	Fully automated
BFW Open-Mouth Bagger with Bottom-up Filler	Paper, PE and woven PP open-mouth bags	Up to 8 BPM	10 lb to 110 lb	Fully automated
STONEPAK Air, Auger and Impeller Packers	Valve bags	Up to 10 BPM	20 lb to 300 lb	Semi-automatic or fully automated with robotic valve bag placing and palletizing system
DB-700 Vacuum Packer	Valve bags	Up to 4 BPM	5 lb to 25 lb	Semi-automatic or fully automated with the DB-815, a valve bag placing & ultrasonic sealing system
BG Series	FIBC's		25 to 85 cu. ft.	Manual or semi-automatic
PTH-900 Series	Paper, PE and woven PP open-mouth bags	Up to 20 BPM	10 to 110 lb	Semi-automatic or fully automated with ANDY robotic bag transfer system
PTR-1030	Paper, PE, laminated and porous woven PP	Up to 18 BPM	10 to 110 lb	Fully automated, 2 Fanuc Robots
<b>R J MACHINERY INC</b>				
R-J FBW-V Vibratory Feeder	Custom built to suit client specified container	Variable	1 lb to 500 lb	Fill by-Weight Box - Pail - Skid
R-J FBW-CA Cross Auger	As above	Variable	1 lb to 25 lb	Fill by-Weight Semi or full Automatic
R-J FBW-G Gravity Hopper	As above	Variable	1 lb to 50 lb	Fill by-Weight Semi or full Automatic
R-J Model SV Shuttle Volumetric	As above		8oz to 5 lb	Adjustable volume Automatic Indexing
<b>REISER CANADA CO</b>				
Vemag	Various	Various		
<b>SHAWPAK SYSTEMS LTD</b>				
All Fill B 600	Wide variety	3-speed fill motor drive system		Semi automatic - clutch/brake
All Fill B-350E	Wide variety	3 speed fill motor drive system	1gram to 50kg	Semi-automatic
All Fill CF-SV-600	Pharmaceutical type		50mg-50grm	Compact Servo motor
All Fill B-SV-600	Wide variety	0-1500 RPM		Brushless DC Servo Motor / PLC Touch Screen
<b>SOLBERN (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
Solbern Model 301 Filler	Cans, bottles, cups	Up to 500cpm	Container Dep.	In-Line
Solbern PTF DF Tumble Filler	Cans, bottles, cups	Up to 600cpm	Container Dep.	In-Line
Solbern TPTF-DP Tumble Filler	Cans, bottles, cups	Prod. Dependent	Various	Carousel
Solbern	Rigid Wall Containers	Up to 1,200	Various	Open and Shaker Style Rotary Drum Designs
<b>SPEE DEE PACKAGING MACHINERY INC</b>				
High Speed Rotary	Rigid canister, bottles, jars	200-500/min.	5kg-5kg	Automatic
Volumetric Cup	Bag, pouch, can, cup, tray, box, jar	60 - 80 indexes/min.	0.5-700 cu. in.	Auto/Semi-auto
<b>WEIGHPACK SYSTEMS INC</b>				
PrimoLinear V-25		Up to 15 /min	Up to 50 lbs	Automatic or Semi-Automatic
PrimoLinear V-5		Up to 50 /min	Up to 5 lbs	As above
PrimoLinear V-Mini		Up to 50 /min	Up to 0.5 lbs	As above
PrimoCombi 1.5 L		200+/min	Up to 7 lbs	As above
PrimoCombi 2.5 L		200+/min	Up to 18 lbs	As above
PrimoCombi 5 L		Up to 80/min	Up to 55 lbs	As above
Star Auger 100		Up to 90/min	Up to 1 lb	As above
Star Auger 200		Up to 70/min	Up to 5 lbs	As above

**FILLING LIQUID PRODUCTS**

MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
<b>ABBEY PACKAGING EQUIPMENT LTD</b>					
Bossar USA Inc. BVH Series	Vertical/Horizontal Form/Fill/Seal	Medium volume side gusset block bottom bags with valve for granulated, paste and liquid products.	Up to 60ppm	80x100 to 160x300	The pouches manufactured replace expensive premade bags. Ideal to fill beverages, fruit purees, liquid yogurts. Significant savings; produced directly from reel fed film.
Bossar USA Inc. GMB 3046 Large Format Series	Horizontal Form/Fill/Seal and Fill/Seal of Pre-made Pouches	24 Various Large Flexible Pouches for liquids, solids, and frozen food up to 15 litres in volume	Up to 80/min	100x120 to 230x230	Horizontal Form/Fill/Seal for flexible pouches - heavy and large format
Bossar USA Inc. B1000 Series	Horizontal Form/Fill/Seal	Flat Sachets, Wet Wipes, 3 & 4 Side Seals, Twin & String Sachets	Up to 90 Sachets/min HFFS	45x45 to 100x135	Small format sachets, monodose for pharmaceutical, cosmetic & food industries.
Bossar USA Inc. BCS PMP (Pre-made Pouch) Series	Fill and Seal	16 Various Pre-made Pouches	Up to 120ppm	100x150 to 300x400	Full Servo Carousel machine for filling & sealing Pre-made pouches with Automatic Change over
Bossar USA Inc. BMS Servo PMP (Pre-made Pouch) Series	Horizontal Form/Fill/Seal	More than 30 different pouch formats including doy, shaped pouches & top/corner valve pouches	Up to 240ppm	60x60 to 275x370	Horizontal Form/Fill Seal with Programmable Servo Motion for filling & sealing and Allen Bradley Controls
<b>AESOP PACKAGING SYSTEMS INC (In Canada: Ross Packaging, Delta, BC)</b>					
AF6 (6 pump filler)	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Fully Automatic
AF1	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Semi-Automatic and can be made to be automatic.
AF12 (12 pump filler)	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Fully Automatic
AF8 (8 pump filler)	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Fully Automatic
AF10 (10 pump filler)	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Fully Automatic
AF4 (4 pump filler)	Gear Pump	Any and all up to 1 gallon	Variable	0 - 1 gallon	Fully Automatic
AESFILL	Positive Displacement Gear Pump	All sorts	0 - 150 bpm	Up to 24 liters per minute	
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>					
Mamata - Vega Pack M-200	Positive displacement pump	Stand-Up Pouch	Varies dependent on product	Up to 2 litre	Intermittent and Continuous motion, Servo Driven, Automatic Change-over
Pacific Packaging - Rotary Filler	Volumetric filling, Positive displacement pump	Bottles, Jars, Cans, Pails, Tubs	Varies dependent on product	Varies dependent on product	Fully Automatic inline filling.
Pacific Packaging - In-Line Filler	Volumetric filling, Positive displacement pump	Bottles, Jars, Cans, Pails, Tubs	Varies dependent on product	Varies dependent on product	Fully Automatic inline filling.
Mamata - Vega Pack iX260	Positive displacement pump	Stand-Up Pouch	Varies dependent on product	Up to 2 litre	Intermittent and Continuous motion, Servo Driven, Automatic Change-over
<b>BERTOLASO SPA (In Canada: Newmapak Ltd)</b>					
Bertolaso SPA	Vacuum, Gravity and Counter Pressure	Glass, Plastic	from 3,000 Bph up to 50,000 Bph	50ml up to 4L	Filling machines for the handling of Wines, Spirits, Beer, Ciders, Water, CSD, Juices etc.
<b>CAPMATIC LTD</b>					
Capmatic CF-IV	Vacuum	Glass container	25 bpm	10 ml to 5 l	Semi automatic
Capmatic CF-2P	Pistons	All types	25 bpm	0.1 to 1000 ml	As above
Capmatic Flowthrough	Gravity	Rigid containers	50 bpm	100 ml to 5 l	Inline semi automatic
Capmatic Flowmatic	As above	As above	80 bpm	As above	Inline automatic
Capmatic Versafill	Pressure	As above	100 bpm	As above	As above
Capmatic Vacufill	Vacuum	Glass container	As above	10 ml to 5 l	As above
Capmatic Octofill	Pistons	All types	As above	0.1 ml to 1 l	As above
Capmatic Patriot	As above	As above	60 bpm	0.1 to 250 ml	Monoblock fill/plug/cap
Capmatic Intrepid	As above	As above	120 bpm	As above	As above
Capmatic Conquest	Piston	As above	350 bpm	As above	Monoblock
Capmatic Flowstar	Electromagnetic	All types	200 bpm	0.5 ml to 20 l	Inline automatic to 12 mass flowmeter, heads volumetric pump

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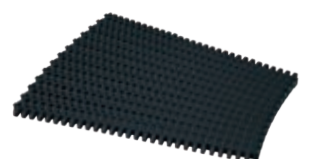
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FILLING LIQUID PRODUCTS					
MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
Capmatic Conquest Pharma	Piston, peristaltic	All types	300 vpm	0.5 ml - 30 ml	Cont. motion filling/pump stoppering/capping monoblock
Capmatic Flowstar	Electromagnetic	All types	200 bpm	0.5 ml - 20 l	Inline automatic mass flowmeter, up to 12 heads volumetric pump
<b>ECKERT MACHINES INC</b>					
Hauser Machinery Semi-automatic and Various models available to suit application automatic systems					
<b>ELMAR WORLDWIDE (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>					
Elmar RPE 7-72 Rotary Piston Filler	Volumetric	Cans, Bottles, Cups	to 1,600cpm	40ml min	Volumetric - Stand Alone & Monoblocks No Container/No Fill Std.
Elmar/Atlas Vacuum Syruer	Gravity	Glass/Can	to 300/900cpm	1.5L max	To a Level
RPE 7-36 Rotary Piston Filler	Volumetric	Cans, Bottles, Cups	70-350cpm	1.5L max	Volumetric - Stand Alone & Monoblocks No Container/No Fill Std.
RPE 4/7 5G Rotary Piston Filler	Volumetric	Jugs/Pails	15-18cpm	4-22L	Volumetric - Stand Alone & Monoblocks No Container/No Fill Std.
Elmar	Piston Fillers/Vacuum Syrupers	Rigid Wall Containers	35-1,600 upm (Model Specific)	12-1,900ml/1-4.8L/4-22L	Rotary Stand Alone or Monoblocks
<b>EUROSTAR SRL (In Canada: Newmapak Ltd.)</b>					
Eurostar Model MEC ISO		Glass/Plastic	20 up to 450 bpm	Ciders, Sparkling Wines, Champagne	
Eurostar Model MEC LD	Light Depression	Glass/Plastic	20 up to 450 bpm	Wines, Water, Juices	
Eurostar Model MEC ISO DPS	Isobaric Filling	Glass/Plastic	20 up to 450 bpm	Beer	
Eurostar Model MEC ISO S	Isobaric Filling	Glass/Plastic	20 up to 450 bpm	Carbonated and Still Water, CSD	
<b>FILAMATIC (In Canada: Bellatrix, Pointe-Claire, QC)</b>					
Complete range	Piston, peristaltic pump, lobe pump rotary gear, flowmeter	All types	to 300 cpm	From 0.1 ml to multi-gal	Volumetric
<b>GENERAL PACKAGING EQUIPMENT CO (In Canada: B&amp;T Packaging; Fladgate Packaging Systems)</b>					
L Series	Pump, Turbine Flow	Bags	Up to 50 bpm	30 ml to 12 L	Automatic
<b>HARPAK ULMA PACKAGING LLC</b>					
VF SPE	Piston	Cups, trays, jars	up to 200	up to 1oz - 2.2 lbs	Piston
<b>HARTNESS INTERNATIONAL (In Canada: Alex E. Jones &amp; Assoc.)</b>					
GlobalFill	Volumetric or vacuum gravity	38.1-127 mm	1200bpm	Single or double	No change part.
<b>HIBAR SYSTEMS LIMITED (In Canada: Inox Pumps &amp; Process - Div. of Hurricane Pump Distributor Inc, Saint-Laurent, QC)</b>					
H Series	Volumetric piston	All types	Up to 200cpm	0.001cc to 2L	Manual and automatic
B Series	Volumetric piston	All types	Up to 200cpm	0.001-20ml	Explosion-proof designs
MD Series	Volumetric piston	All types	0-500cpm		
RP Series	Seal-less Ceramic	All types	0-500cpm		
ISP	Integrated Servo Pump	All types	0-1500cpm		
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>					
Kaps-All ECF-G		Pharmaceutical, House-Hold Product, Automotive, Industrial, Veterinary, Cosmetic, Paint, Food, Sanitary, etc	Low, medium and high speed	From vial to gallon	
Kaps-All FA-G/FA-P/FA-PG		Pharmaceutical, House-Hold Product, Automotive, Industrial, Veterinary, Cosmetic, Paint, Food, Sanitary, etc	Low, medium and high speed	From vial to gallon	
Kaps-All Packaging	Volumetric, Gravity, Pressure and combination Pressure-Gravity	Glass, Plastic, Metal, round and non-round bottles	up to 100 bpm	from 20ml up to 4L	A train of bottles enter the filler. Fill cycle begins then once finished, train of bottles exit the filler
<b>KRONESMACHINERY CR LTD</b>					
Modulfill	VFS	PET, HDPE	Up to 72,000 bph	Water, Juice, CSD, Beer	Cold filling
Modulfill	HRS	Glass, PET, HDPE	Up to 78,000 bph	Water, CSD, Beer	
Modulfill	VFJ	PET, HDPE	Up to 72,000 bph	Water, Juice	Cold filling
Modulfill	NWJ	PET, HDPE	Up to 60,000 bph	Juice	Both available: Cold filling; hot filling
Modulfill	NWJ	Glass	Up to 60,000 bph	Edible oil and sauces	

FILLING LIQUID PRODUCTS					
MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
Modulfill	VFS	PET, HDPE	Up to 72,000 bph	Juice	Hot and cold filling
Modulfill	HEL	PET, HDPE	Up to 72,000 bph	Juice	Hot filling
Modulfill	VMJ-C	Cans	Up to 130,000 cans per hour	Juice	
Modulfill	VFS-C	Cans	Up to 130,000 cans per hour	Juice, CSD, Beer	
Modulfill	HES	Glass	Up to 78,000 bph	CSD, Beer	
Modulfill	VMS-C	Cans	Up to 130,000 cans per hour	CSD, Beer	
Craftmate		Cans	Up to 15,000 cans per hour	Beer	
Viscofill	V	PET, HDPE, Glass, Cans	Inquiry	Pet food, Spreads, Jam, Sauces, Dressings, Gourmet food, Baby food and Compote	
Viscofill	S	PET, HDPE, Glass, Cans	Inquiry	Spreads, Dairy Products, Jam, Sauces, Dressings, Gourmet food, Baby food and Compote, Food oil, Liquid and Paste-like candies	
Viscofill	H	PET, HDPE, Glass, Cans	Inquiry	Spreads, Dairy Products, Jam, Sauces, Dressings, Gourmet food, Food oil, Liquid and Paste-like candies	
PET-Asept L2		PET, HDPE	Up to 56,000 bph	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
PET-Asept D		PET, HDPE	Up to 48,000 bph	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
Contiform AseptBloc		PET, HDPE	Inquiry	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
Modulfill Asept	VFJ	PET, HDPE	Inquiry	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
Modulfill Asept	NWJ	PET, HDPE	Inquiry	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
Modulfill Asept	VFJ-D	PET, HDPE	Inquiry	Mixed milk beverages, UHT milk, Juice, Ice tea, Tea, Energy drinks, Beverages containing particles	
<b>MASSMAN AUTOMATION DESIGNS LLC</b>					
PASE Group Net Weight					
<b>MECANO INDUSTRIES</b>					
Mecano PF-1200	Piston/pump	Pails, buckets, blisters, bottles...etc	Up to 1200 fills/minute	Customer specific	Automatic
<b>NEWMAPAK LTD</b>					
Newmapak Ltd Model NewmaFill	Vacuum, Gravity, Counter Pressure, Volumetric and Electronic Flow-Meter	Glass, Plastic	up to 100 bpm	up to 1.5L	Filling machines for the handling of Wines, Spirits, Beer, Ciders, Water, CSD, Juices etc.
Newmapak Ltd. Model NewmaFILL CAN	Rotary Filling and Seaming	Cans	up to 600 CPM		Rotary Can Filling and Seaming of Still and Carbonated beverages
Newmapak Ltd Model NewmaFill	Semi-Automatic and Automatic	Glass, Plastic	up to 500 Bph	up to 1.5L	Semi-Automatic and Automatic filling machines for low speed production. Filling of Beer, Cider and all sparkling products

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**FILLING LIQUID PRODUCTS**

MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
<b>PEMBERTON &amp; ASSOCIATES INC</b>					
FEMC	Piston	custom	custom	custom	Auto.
<b>PLAN AUTOMATION INC</b>					
US Bottlers	Pressure gravity	Rigid	Up to 800 bpm	1 oz - 1 gal	Continuous rotary
Hauser Machinery	Piston & Volumetric	Rigid	Up to 100 bpm	2oz. - 4 litre	In-line - Pneumatic & Servo
Weight Pack		Rigid	Up to 800 bpm	2oz. - 2 litre	Rotary monoblock
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>					
Laudenberg / PSG LEE / PSS ABT	Pump Mass flow	Stand up punches	500 ppm	Up to 1 litre	Fill, Seal
PSG Sung	Piston, Pump	Trays, Tubs, Cups	Various	Various	Fill, Seal
Caveco	Piston, Pump	Trays, Tubs, Cups	Various	Various	Fill, Seal
<b>R J MACHINERY INC</b>					
R-J Model FTL	Gravity	Bottles, cans	30 to 40 cpm	4 oz to 1 gal	Semi-automatic
R-J Model Level					
R-J vacuum filler	Vacuum	As above	As above	As above	As above
R-J SDS-1000-CV	Piston Style Check Valve	Bottles, jars, cans & bags	90 cpm	To 1 L	Manual or automatic
R-J SDS-5000-CV	Piston Style Check Valve	As above	90 cpm	To 5 L	As above
Model FBW	Fill-by weight	Pails, drums, bag-in-box	2-12 lb.	Models to 750	Manual or automatic on skid weighing
R-J FBW-G	Gravity	Pails, drums, Totes	Variable	5L to 1,000L	Semi-automatic
R-J FBW-P	Pump	Pails, drums, Totes	Variable	5L to 1,000L	Semi-automatic
<b>REISER CANADA CO</b>					
Vemag	Various	Various	Variable		
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>					
Cryovac 2045B, B-FS	Positive displacement pump	Pouches	to 75 lpm	200cc-3L	Automatic
Cryovac 2050D	Positive displacement pump	Pouches	Up to 85 lpm	100cc - 2.3L	Automatic
Cryovac 2070D	Scale/pump 2-phase	Pouches	Up to 150 lpm	1L - 7.5L	Automatic
Cryovac 2100A	Positive displacement pump	Pouches	Up to 250 lpm	6L - 20 L	Automatic
Cryovac 2700A	As above	Pouches	As above	1L-6L	Automatic
<b>SERAC INC</b>					
RB Range Rotary Fillers	Net weigh filling			150ml - 20L	High speed
Cappers					
<b>SHAWPAK SYSTEMS LTD</b>					
All Fill 305	Piston Filler	Bag, bottle, pail etc	up to 60 fills per minute	50ml to 2.5 litre	Manual or automatic
All Fill B-350E	Clutch Brake	Wide variety	3 speed fill motor		Semi automatic
All Fill B 600	Clutch/Brake	Wide variety			Semi automatic
<b>SOLBERN (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>					
Solbern LFF Linear	Overflow Briner	Cans/Jars	to 1,200cpm	to headspace	Gravity
Solbern LFF Funnel Filler					
Solbern LSB Long Screw Briner	Overflow Briner	Cans/Jars	to 600cpm	to headspace	Gravity
Solbern LSB-2 Long Screw Briner	Overflow Briner	Cans/Jars	to 1,000cpm	to headspace	Gravity
Solbern	Overflow Brining	Rigid Wall Containers	to 1,200 upm	Various	In-Line Brining Systems
<b>SPEEDWAY PACKAGING MACHINERY</b>					
LF90 Series	Fill to level	Plastic, glass, metal	to 80 bpm	150 ml to 10 L	Manual, semi-auto, automatic
GC-A-100, GCG-A-100	Piston	All Types	variable	10-100 ml	Manual or Automatic
GP-10	Gear Pump	All Types	variable	5 ml +	Semi-automatic
<b>TETRA PAK CANADA INC</b>					
Tetra Rex TR/18	Blank fed	Tetra Rex gable top cartons	14,000/hr.	250-1000 ml	
Tetra Rex TR/7	Blank fed	as above	7000/hr.	250-1000 ml	

**FILLING NON-FREE-FLOW**

MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
<b>COMBISCALE LLC</b>					
CS 5L	All		Up to 70/min	Up to 55 lbs	
CS 1.5L	All		Up to 120/min	Up to 7 lbs	
CS 2.5 L	All		Up to 120/min	Up to 18 lbs	
PrimoWeigher	1.5 L		200+/min	Up to 7 lbs	
PrimoWeigher	2.5 L		200+/min.	Up to 18 lbs	
PrimoWeigher	5 L		Up to 80/min.	Up to 55 lbs	
<b>FILAMATIC (In Canada: Bellatrix, Pointe-Claire, QC)</b>					
Complete Range	all types		to 300 cpm	0.1 ml to multi gal	Volumetric
<b>HIBAR SYSTEMS LIMITED (In Canada: Inox Pumps &amp; Process - Div. of Hurricane Pump Distributor Inc, Saint-Laurent, QC)</b>					
RV	All		0-200/min.	0-250 ml	Pressure feed positive
RP Series	Seal-less Ceramic		0-500/min.	0-100ml	Pressure feed positive
<b>R J MACHINERY INC</b>					
R-J Model MR Pump	Metered Revolution	Pails, drums, Totes	Variable	5L to 1,000L	Semi Automatic
R-J Model FBW-G	Fill-By-Weight Gear Pump	Pails, drums, Totes	Variable	5L to 1,000L	Semi automatic
<b>SHAWPAK SYSTEMS LTD</b>					
All Fill CF-SV-600	Pharmaceutical type		variable	50ml-50grm	Manual/automatic
All Fill B-350E	Wide variety		3 speed fill motor drive system	1grm - 50 kg	Semi automatic
All Fill B 600	Wide variety		3- speed motor		Semi automatic
All Fill B-SV-600	Wide variety		0-1500 rpm	Variable - servo motor driven	Semi automatic / automatic
<b>SOLBERN (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>					
Solbern 301	Cans, Bottles, Cups		up to 500 cpm	Container Dependent	In-Line
Solbern TPTF-DP Transfer Filler	Cans, Bottles, Cups		Prod. Dependent	Various	Portion Ctrl Carousel
Solbern HVOP High Volume Open Packer	Cans, Bottles, Cups		Prod. Dependent	Various	In-Line with Product
<b>SPEE DEE PACKAGING MACHINERY INC</b>					
Digitronic Servo Auger	Bag, pouch, can, cup, tray box, jar		120/min.	2g-50kg	Auto/semi auto
Spee-Dee Matic Conveyor	Accom. 1+ fillers-efficient fully automated filling line				Automatic
High Speed Rotary	Rigid canisters, bottles, jars		200-500/min.	.5kg-5kg	Automatic
<b>SPEEDWAY PACKAGING MACHINERY</b>					
SPM SAF-2000 Servo Auger	Bag, pouch, can, cup tray, box, jar		Variable	10gm & up	Auto/Semi auto
<b>TRIANGLE PACKAGE MACHINERY CO</b>					
Triangle A612	Bags, cases, cartons, trays		Up to 135/min.		
Triangle A612 Belt	As above		Up to 65/min.		
Triangle A918	As above		Up to 165/min.		
<b>WEIGHPACK SYSTEMS INC</b>					
PrimoLinear V-25	Up to 50 lbs		Up to 15/min		Automatic or Semi-Automatic
PrimoLinear V-5	Up to 5 lbs		Up to 50/min		
PrimoLinear V-Mini	Up to 0.5 lbs		Up to 50/min		
PrimoCombi 1.5 L			Up to 140 /min	Up to 0.5 lbs	
PrimoCombi 1.5 L			200+/min	Up to 7 lbs	
PrimoCombi 2.5 L			200+/min	Up to 18 lbs	
PrimoCombi 5L			Up to 80/min	Up to 80/min	

**FILLING SEMI-LIQUIDS**

MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
<b>ABBIEY PACKAGING EQUIPMENT LTD</b>					
Bossar USA Inc. BVH Series	Vertical/Horizontal Form/Fill/Seal	Medium volume side gusset block bottom bags with valve for granulated, paste and liquid products	Up to 60ppm	80x100 to 160x300	The pouches manufactured replace expensive pre-made bags. Ideal to fill beverages, fruit purees, and liquid yogurts.
Bossar USA Inc. GMB 30/46 Large Format Series	Horizontal Form/Fill/Seal and Fill/Seal of Pre-made pouches	24 Various Large Pouches for liquids, solids, and frozen food up to 15 litres in volume.	Up to 80/min	100x120 to 230x230	Horizontal Form/Fill/Seal for flexible pouches in the heavy and large format
Bossar USA Inc. B1000 Series	Horizontal Form/Fill/Seal	Flat Sachets, Wet Wipes 3 & 4 side seals, twin & string sachets	Up to 90 sachets/min	45x45 to 100x135	Small format sachets, monodose for pharmaceutical, cosmetic & food industries. Wet wipes, string sachets & multiple other applications.
Bossar USA Inc. BCS PMP (Pre-made Pouch) Series	Fill and Seal	16 Various Pre-made Pouches	Up to 120ppm	100x150 to 300x400	Full Servo Carousel machine for filling & sealing Pre-made pouches with automatic change-over
Bossar USA Inc. BMK Mechanical PMP (Pre-made Pouch) Series	Horizontal Form/Fill/Seal	More than 30 different pouch formats including doypack, shaped pouches & top/corner valve pouches	Up to 200ppm	50x60 to 260x300	Horizontal Form/Fill/Seal with Mechanical Motion for filling & sealing and Allen Bradley Controls
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>					
Pacific Packaging - Rotary Filler	Volumetric filling, Positive displacement pump	Bottles, Jars, Cans, Pails, Tubs	Varies dependent on product	Varies dependent on product	Fully Automatic inline filling.
<b>ALL FILL INC (In Canada: Alex E. Jones &amp; Associates; Thos. W. MacKay &amp; Sons)</b>					
B-350e	Auger or pump	Bags, glass, cans & rigid containers	25 cpm	1/2 oz. to gallons	Semi-automatic
Model 305	Piston	As above	60 pm	As above	Semi-automatic
<b>CAPMATIC LTD</b>					
Capmatic PVR-01	Piston	All types	25 bpm	0.1 ml to 1 l	Semi-automatic

**FILLING SEMI-LIQUIDS**

MAKER AND MODEL	FILL METHOD	CONTAINERS FILLED	FILLING SPEED	FILL RANGE	OPERATION
Capmatic Accurofill	Piston	All types	80 bpm	As above	Inline automatic up to 12 heads
FlowStar	Electromagnetic	All	200 bpm	0.5ml - 20L	Inline mass flowmeter
<b>ECKERT MACHINES INC</b>					
Hauser Machinery	Semi-automatic and automatic systems				Various models available to suit application
<b>ELMAR WORLDWIDE (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>					
Elmar Rotary Piston Fillers	Volumetric	Various	10 150cpm	Various	Pressurized Bowl
<b>FILAMATIC (In Canada: Bellatrix, Pointe-Claire, QC)</b>					
Complete range	Piston, lobe pump, Rotary gear lobe, piston, flowmeter	All types	to 300 cpm	0.1 ml to multi-gal	Volumetric
<b>HARPAK ULMA PACKAGING LLC</b>					
VF SPE	Piston	Cups, trays	up to 200	1 oz - 2.2 lb	Piston
<b>HIBAR SYSTEMS LIMITED (In Canada: Inox Pumps &amp; Process - Div. of Hurricane Pump Distributor Inc, Saint-Laurent, QC)</b>					
H Series	Volumetric piston	All types	Up to 200cpm	20cc - 2L	Pneumatic or stepper motor drives
B Series	Volumetric piston	All types	Up to 200cpm	Up to 20ml	
MD Series	Volumetric piston	All types	0-500cpm		
RP Series	Seal-less Ceramic	All types	0-500cpm	Up to 100ml	
ISP	Integrated Servo Pump	All types	0-1500cpm	Up to 250ml	
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>					
Kaps-All VOL-32-4/VOL-32-8 (VISCOUS)	Volumetric Piston filler	Pharmaceutical, House-Hold Product, Automotive, Industrial, Veterinary, Cosmetic, Paint, Food, Sanitary, etc		Low, medium and high speed	From vial to gallon
Kaps-All VOL-A (VISCOUS)	Semi-Automatic Piston filler	As above		Low, medium and high speed	From vial to gallon
Kaps-All VOL-B	As above			Low, medium and high speed	From vial to gallon
<b>MECANO INDUSTRIES</b>					
Mecano PF-1200	Pistons	Pails, buckets, blisters	Up to 1200 fills/minute	Customer specific	Automatic
<b>PEMBERTON &amp; ASSOCIATES INC</b>					
Carruthers VF Series	Volumetric	Any	0-100	Various	
<b>R J MACHINERY INC</b>					
R-J Digiflow	Metered revolution, positive displacement	Bags, jars, bottles, pails & drums	5 to 80 cpm	4 oz to 50 lb	Can integrate with container handling system
SDS - 1000-AV	Piston	Bottles, jars, cans & bags	90 cpm	To 1 L	Manual or automatic
SDS-5000-AV	As above	As above	As above	To 5 L	Manual or automatic
Model FBW	Fill-by weight	Pails, drums, bag-in-box	2-12 cpm	Models to 750 lbs	Manual or automatic on skid weighing
R-J Model FBW-G	Pump	Pails, drums, Totes	Variable	5L to 1,000L	Semi automatic
R-J Model FBW-P	Compatible Pump	Pails, drums, Totes	Variable	5L to 1,000L	Semi automatic
<b>REISER CANADA CO</b>					
Vemag	Different attachments	All current market styles	Variable		
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>					
Cryovac 2050C	Positive displacement pump	Pouches	Up to 85 lpm	100cc - 2.3L	Automatic
Cryovac 2070D	Scale/pump 2-phase fill	Pouches	Up to 150 lpm	1 - 7.5L	Automatic
Cryovac 2002C	Positive displacement pump	Pouches	Up to 200 lpm	500cc - 7.5L	Automatic
Cryovac 2002C-FS	As above	Fitment pouches	As above	As above	Automatic
<b>SERAC INC</b>					
DT Range Rotary Fillers	Piston fill			150 ml - 1 L	High speed
Cappers					
<b>SHAWPAK SYSTEMS LTD</b>					
All Fill 305	Piston filler	wide range	60 ppm	50ml-2.5 litres	Manual or automatic
<b>SPEEDWAY PACKAGING MACHINERY</b>					
GC Series	Piston	All types	Variable	Variable	Manual or automatic

**FORM-FILL-SEAL**

MAKER AND MODEL	PRODUCTS PACKAGED	MATERIALS	SIZE RANGE	SPEED
<b>ABBIEY PACKAGING EQUIPMENT LTD</b>				
Bossar USA Inc. BVH PMP (Pre-made Pouch) Series	Medium volume side gusset block bottom bags with valve for granulated, paste, and liquid products	Heat Seal	80x100 to 160x300	Up to 60ppm
Bossar USA Inc. GMB 30/46 Large Format Series	24 various Large Pouches for liquids, solids, and frozen food up to 15 litres in volume	Heat Seal	Various; 100x120 to 230x230	Up to 80ppm
Bossar USA Inc. B1000 Series	Flat Sachets, Wet Wipes 3&4 side seals, twin & string sachets	Heat Seal	45x45 to 100x135	Up to 90ppm
Bossar USA Inc. BCS PMP (Pre-made Pouch) Series	16 Various Pre-made Pouches	Heat Seal	100x150 to 300x400	Up to 120ppm
Bossar USA Inc. BMK Mechanical PMP (Pre-made Pouch) Machine	More than 30 different pouch formats including doypack, shaped pouches & top/corner valve pouches	Heat Seal	50x60 to 260x300	Up to 200ppm
Bossar USA Inc. BMS Servo PMP (Pre-made Pouch) Machine	More than 30 different pouch formats including doypack, shaped pouches & top/corner valve pouches	Heat Seal	60x60 to 375x370	Up to 240ppm
GEA Food Solutions SmartPacker CX 250/400	Pillow, Zipper, Quatro Seal, Stand-up, Envelope, Bags	Heat Seal and Poly	80x80 to 400x550	Up to 250bpm
GEA Food Solutions SmartPacker SX 400	Pillow, Zipper, Quatro Seal, Stand-up, Envelope Bags	Heat Seal and Poly	80x80 to 400x550	Up to 110bpm, Intermittent
GEA Food Solutions SmartPacker Twin Tube	Treat Size Bags	Heat Seal	60 to 145 W x 300 L mm	Up to 500bpm
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Hayssen - Ultima Series	VFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	2.36	Up to 160ppm
Hayssen - Novus Doy/Quad	VFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	2.36	Up to 220ppm
Hayssen - Logic Flex	VFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	2.36	Up to 85ppm
Mamata - Vega Pack iX260	Stand-up Pouch - Cheese, Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Barrier Film	Varies dependent on product	Up to 120ppm
Hayssen - RT Series	HFFS - Cheese, Pharma, Bakery	Laminate, Barrier Film	Varies dependent on product	Up to 200ppm
Mamata - Vega Pack M-200	Stand-up Pouch - Cheese, Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Barrier Film	Varies dependent on product	Up to 100ppm
Hayssen - Integra Series	HFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	Varies dependent on product	Up to 150ppm
<b>BOSCH PACKAGING TECHNOLOGY VERTICAL (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>				
SVI2620	Snacks, cereal, fresh produce, coffee, frozen vegetables & fruits, powders	Heat sealable & poly head seal	Flat: 60-260mm W Stand up: 40-260mm W 30-120mm D, 250mm max W&D	Up to 200 bpm
SVE 2510 TW	As above	As above	Flat: 60-250mm W Stand up: 40-220mm W 25-105mm D, 250mm max W&D	Up to 100 bpm
SVE 2510 QR	As above	As above	Flat: 60-250mm W Stand up: 50-220mm W 45-100mm D, 250 mm max W&D	Up to 100 ppm doypack & quad bags Up to 200 bpm pillow bags
SVE 2510 DR	Snacks, cereal, nuts, pet foods, confectionary	As above	Stand up: 65-250mm W 60-500mm L	As above
<b>CAM PACKAGING SYSTEMS</b>				
CAM; 412	25ppm	Pre made bags Polyethylene, polypropylene, laminated, shrink (Polyolefin), 3 sided seal, zipper, Doypack (stand up pouch)	4"x5" up to 12"x16"; additional sizes upon request	Semi Auto and Automatic
<b>CHARLES DOWNER &amp; CO LTD</b>				
Bosch Doy/Zip bagger	Doy/Zip, 4 corner seal, block bottom, gusseted, pouch, all on the same machine	any	Various	up to 500 bags/min
Bosch SVC Most hygienic bagger on the market	IQF veg/ Meat/Poultry/Pharma	any	Various	up to 200 bpm
<b>DJS ENTERPRISES</b>				
New Liquid Packing Machine, Model DJS-300	PLC control, Photo-electricity sensor, Step-less speed control and heat controls, PLC control for the step motor.	Range of Fill: 0-200 ml(or can be modified to meet customer's requirements	Packing Speed: 20 - 60 bags per minute. Bag Size: 30-150mm Wide x 30-150mm Long. Packing material: PET/PE, PAPER/PE, PET/AL, OPP/PE	
<b>FORMOST FUJI CORPORATION (In Canada: Abbey Packaging Equipment Ltd.)</b>				
Alpha VI Wrappers	Varies	Varies	Varies	15-500+ per minutes
Formost Fuji Corp.	FW-3400 Series Horizontal Wrapper			
<b>GENERAL PACKAGING EQUIPMENT CO (In Canada: B&amp;T Packaging; Fladgate Packaging Systems)</b>				
Models 70, 80 & 90 vertical units	Powders, granules, liquids	Heat-sealables	1.25x2.5 to 14x36 in.	Up to 160 ppm
Model 48 series (vertical)	As above	As above	1.25x2.5 to 14x36 in.	Up to 80 bpm
Primus	Bag-in-Bag	As above	2x4 to 14x99 in	Up to 100 bpm
<b>HARPAK ULMA PACKAGING LLC</b>				



**FORM-FILL-SEAL**

MAKER AND MODEL	PRODUCTS PACKAGED	MATERIALS	SIZE RANGE	SPEED		
TFS-Line	Foods/All type medical disposables	All types	Full Range	up to 20 cpm		
<b>HAYSSENSANDIACRE (In Canada: Alex E. Jones &amp; Assoc.)</b>						
Rose Forgrove HFFS Line	As above			110 ppm		
<b>HEAT &amp; CONTROL CANADA INC</b>						
Ishida Astro S	Snack foods	Various	75-330mm W, 100-558mm L	to 100 bpm		
Ishida Atlas	Snack foods	Various	75-330mm W, 75-711mm L	to 250 bpm		
Ishida Atlas 223	Snack foods	Various	75-330mm W, 127-711mm L	to 200 bpm		
Ishida Atlas 233	Potato chips, snack foods	Various	75-330mm W, 127-711mm L	70-120 bpm		
Ishida Flexible Packaging System	Snack Foods	Various	Form/Fill/Seal Pillow, flat-Bottom, Hem Seal, Gusseted Bags			
Ishida Flexible strip-pack applicator	Snacks, candy, nuts, non-foods	Various	50-203mm W, 127-280mm L, up to 100g	to 80 bpm		
Ishida Portable Strip-pack applicator	Snacks, candy, nuts, non-foods	Various	50-330mm W, Various Lengths	to 100 g		
Ishida TSC-RS seal checker	Snacks, candy,nuts, non-foods	Various	50-330mm W, 100-650mm L, 15-123mm thick	to 150 bpm		
Ishida Atlas USS Ultrasonic snack bagmaker	snack foods	Various	up to 11	up to 140 bpm		
<b>ILAPAK INC</b>						
Carrera 500 PC h/f/f/s electronic f/f/s	Food & non-food	All heatsealable films	18x10x5"	Up to 120 pm		
VT 4000	Food & non-food	as above	20x12.5x5"	200 pm		
Carrera 2000 PC h/f/f/s electronic f/f/s	Food & non-food	As above	20x12.5x5"	800 pm		
<b>KLKLOK WOODMAN (In Canada: Propack Processing &amp; Packaging Systems Inc.)</b>						
Woodman Apache	Bakery, Cereal, Nuts, Candy, Powder	Supported Heat Sealable	To 13.75"W x 22.0"L	To 120 bpm		
Woodman ApacheCM	Bakery, Cereal, Nuts, Candy, Powder	Supported Heat Sealable	To 13.375"W - 22"L	To 160 bpm		
Woodman P & P3	Salted Snacks, Chips, Pretzels	Supported Heat Sealable	To 12"W x 22"L	To 120 bpm		
Woodman G & G3	Salted Snacks, Chips, Pretzels	Supported Heat Sealable	To 10.5"W x 22"L	To 240 bpm		
Woodman FRONTIER	Bakery,Candy,Salted Snacks,Chips,Pretzels	Supported Heat Sealable	To 9.0" W x 15.0"W	To 80 bpm		
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>						
Bosch	Wide Variety	Heat Sealable	Wide Range & styles	High		
<b>MATRIX PACKAGING MACHINERY LLC (In Canada: Plan Automation, Orangeville, ON)</b>						
Matrix Packaging Machinery 916	non-washdown	Laminate/ Polyethylene	9"wide x 15" Long	Max cycle speed 70		
Matrix Packaging Machinery Pro S "shorty"	non-washdown	Laminate/ Polyethylene	13" wide x 8" Long	Max cycle speed 90		
Matrix Packaging Machinery Orion	non-washdown	Laminate/ Polyethylene	11" wide x 15.5" Long	Max cycle speed 90		
Matrix Packaging Machinery Mercury HS	any	Laminate/ Polyethylene	11" wide x 15.5" Long	Max cycle speed 130		
Matrix Packaging Machinery Proteus	non-washdown	Laminate/ Polyethylene	11" wide x 15.5" Long	Max cycle speed 180		
Matrix Packaging Machinery Elete DS13	any	Laminate/ Polyethylene	13" wide x 23" Long	Max cycle speed 120		
Matrix Packaging Machinery Elete DS18	any	Laminate/ Polyethylene	18" wide x 23" Long	Max cycle speed 80		
Matrix Packaging Machinery Elete QUAD	any	Laminate	13" wide x 18" Long	Max cycle speed 50		
Matrix Packaging Machinery Triton	iqf, fresh cut, dairy/cheese, meat	Laminate/ Polyethylene	13" wide x 18.5" Long	Max cycle speed 120		
Matrix Packaging Machinery Triton XL	iqf, fresh cut,dairy/cheese, meat	Laminate/ Polyethylene	20" wide X 23" Long	Max cycle speed 100		
<b>MULTIVAC CANADA</b>						
R105	Food, Medical Consumer Industrial	All heat sealable materials	Up to 355x300mm	Up to 8 cpm		
R126	as above	as above	Up to 420x360mm	Up to 10 cpm		
R145	as above	as above	Up to 420x400mm	Up to 10 cpm		
R245	as above	as above	Up to 560x640mm	Up to 15cpm		
R535	as above	as above	Up to 650x1300mm	Up to 22 cpm		
<b>PFM PACKAGING MACHINERY CORP (In Canada: Unisource Canada Inc., (ON, MB, BC, AB, QC); Celplast (ON); Packpro, Maritech, Terma Industrial)</b>						
PFM Conado HS	As above	As above	10x8.5x3 in.(H)	600 ppm		
PFM Pearl	Bakery, confectionery, pharmaceutical, novelty hardware, etc	OPP, BOPP, HLDPE laminates, cold sealable film, paperpoly shrink	20x8.5x5 in.(H)	180 ppm		
PFM Falcon	As above	As above and LDPE	24x14x6 in.(H)	400 ppm		
PFM Tornado & Torando BB	As above	As above and LDPE	24x12x5 in.(H)	400 ppm		
PFM Candy Super	Hard candies	As above	3x3x1 in.	1200 ppm		
PFM Blizzard	Hard candies, chewing gum	As above	As above	1800 ppm		
PFM Polar (VFFS)	As above	As above and LDPE	13.3x9 in.(W)	90 ppm		
<b>PLAN AUTOMATION INC</b>						
Matrix Packaging	Dry and liquid	Heat sealable	2" - 1 5"	up to 300		
Cavanna - Zero 4	All Flow Wrapped - Specialty Bakery & Confectionary	Heat sealable films	Variable	Up to 800 ppm		
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>						
Laudenberg	All	All	4" to 11.8" W	360		
<b>PREMIER TECH CHRONOS</b>						
Premier Tech Chronos FFS-200 Form, Fill & Seal Bagger	Animal feed, bark, cat litter, coal, compost, concrete mix, crushed stone, fertilizer, mulch, peat moss, pet food, plastic pellets, salt, sand, seeds, soils, wood pellets etc.	Poly film (U-film)	10" to 27" (width) 14" to 45" (length) 3" to 6" (gusset)	Up to 35 bpm		
<b>REISER CANADA CO</b>						
Repak RE15 & RE20	Various products	All industry standards	Various	Up to 15 cycles		
<b>RENNCO LLC (In Canada: Alex E. Jones; PMR Packaging Inc)</b>						
Models 201, 301 & 501	Various	Poly & shrink	1x1 to 18x52 in.	20-25 pm		
<b>SATURN PACKAGING EQUIPMENT</b>						
Omega Fully Automatic L-Bar Sealer	Various		18 in.W x 20 In.L	Up to 25 pm		
AHS-SS Fully Automatic High Speed	Various		24 in.W x infinite L	Up to 90 pm		
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>						
Cryovac 2050C	Hor & cold fill pumpable products	Cryovac FS Series films	100cc - 2.3L	Up to 85 lpm		
Cryovac 2002C	As above	As above	500cc - 7.5L	Up to 200 lpm		
Cryovac 2070D	Metered solids with liquids	As above	1L - 7.5L	Up to 150 lpm		
Cryovac 2002C-FS	As above	As above & filaments	500cc-7.5L	Up to 200 lpm		
<b>TNA NORTH AMERICA INC</b>						
Robag 3	Food	50 FF/OPP	31/s' W	Up to 250 bpm		
<b>TRIANGLE PACKAGE MACHINERY CO</b>						
Triangle B108 VFFS	Cereal, Cheese, Coffee, Produce, IQF, Pasta, Poultry, Seafood, Snacks, Nuts, Free Flow	Poly & Supported	Bag widths up to 8" (208 mm)	140 bags/min.		
Triangle B3 VFFS	Cereal, Cheese, Coffee, Produce, IQF, Pasta, Poultry, Seafood	Poly and Supported	Up to 15" (381mm)	110 bags/min.		
Triangle XYS08 VFFS	Candy, Coffee, Grains, Produce, Nuts and Snacks, Powder	Poly and Supported	Bag widths from 2.5" (64mm) - 8" (208 mm)	150 bags/minute		
Triangle BT08 VFFS	Snacks, nuts, free flow	Poly and Supported	Bag widths up to 8" (208 mm)	240 bags/min.		
<b>VC999 CANADA LTD</b>						
VC999 RS 285-720	Foods, pharmaceutical, furniture	Pe,PA,PVC, Pet	285 to 720mmW	10-12 cycle Vacuum Gaz, MAP		
VC999 RS iSeries	All Application	Flexible & Rigid	320 to 720mm	14-20 cycle Vacuum Gaz, Map		
<b>WEIGHPACK SYSTEMS INC</b>						
Xpdius Elite I-130		Roll Stock	3" - 12"W, 2" - 16"L	Up to 120/min		
Vertek Jr		Roll Stock	1" - 5.5"W, 2" - 8"L	Up to 70 cpm		
Vertek 750		Roll Stock	2" - 7.5" W, 3" - 12" L	Up to 50 cpm		
Vertek 1150		Roll Stock	2.5" - 11.5" W, 4" - 18"L	Up to 40 cpm		
Vertek 1600		Roll Stock	10" - 16" W, 6" - 18"L	Up to 30 cpm		
Vertek 2400		Roll Stock	16" - 24"W, 9" - 36" L	Up to 20 cpm		
r2b 1200		Roll Stock	6" - 12" W, 8" - 18" L	Up to 65/min		
r2b 3600		Roll Stock	3.5" - 8" W, 6" - 11"L	Up to 120/min		

**HOTMELT APPLICATORS**

MAKER AND MODEL	APPLICATION	TYPE	MAX MELT RATE	MAX MELT TEMP	SIZE OF UNIT	FEATURES
<b>3M CANADA INC</b>						
Polygon EC	Carton sealing & various	Handgun	5.5 lb/hr	260°F to 450°F (127°C to 232°C)	20 oz	Uses pre-set temperature modules to dispense all adhesives.
Polygon II	As above	Handgun	up to 7.5 lb/hr	385°F (196°C)	4.3 lb pneumatic	Trigger regulator; Lighted on/off switch; comes with tubular bench stand; many available accessories.
<b>ASSOCIATED PACKAGING EQUIPMENT CORP</b>						
Roto HM	Gun or rollers	Gear pump	variable	385°	18" High x 12 x 12	Continuous
<b>HARPAK ULMA PACKAGING LLC</b>						
Nordson	Cartoning					
<b>HMA SYSTEMS</b>						
Dynatec Dynamini	Manual and low volume	Handgun or low volume automatic	10 lbs/hour	400 F	10 lb hopper	Gear or Piston, basic temperature controls
Dynatec SR05	Carton Seal	High Speed	23 lbs/hour	400 F	20 lb hopper	Simplicity, word identified zone function control
<b>ITW DYNATEC (In Canada: HMA Systems (Brampton, ON), Servi-Centre Ltee (Montreal, QC))</b>						

**HOTMELT APPLICATORS**

MAKER AND MODEL	APPLICATION	TYPE	MAX MELT RATE	MAX MELT TEMP	SIZE OF UNIT	FEATURES
Spotwheel	Cartoning	Self-contained wheel	8 lb/hr	425°F	15x10x8 in.	One moving part, no maintenance
M Series	Narrow lamination, high viscosity applications	1-6 pump output, multi-drive	Up to 1000 lb/hr	450°F	74x46x48 in.	As above, 1200 lb hopper capacity, CRT display screen, slot feed
DYNADRUM 550	Wide web converting, PUR adhesives	To 2 hoses, 45 gal. drum	500 lb/hr	400°F	38x24x93 in.	As above, different ratio air motors, overtemp/standby
DYNAMINI	Carton sealing, palletizing	Up to 2 heads/hoses, manual or auto heads	18 lb/hr	425°F 8 in.	21.3x11.4x16. or gear 110V or 240V, piston pump	
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Marten, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>						
ProBlue 4, 7 and 10 Liter Melters	Case sealing, tray-making, cartoning packaging, labelling	Piston pump, Auto manual or auto guns 4 to 8 guns	4.3kg/hr 8.2kg/hr 11kg/hr	230°C	547x469x318 609x469x322 613x505x344	14:1 piston pump, non-circulating tank, status-at-a-glance indicators, disposable filter, graphic controls, opt. 8 hose/gun channels, opt. 400/480V
ProBlue 15, 30 and 50 Liter Melters	Packaging, case sealing, cartoning, traymaking	Piston pump, Auto guns, 8 guns	18.1kg/hr 27kg/hr 28.6kg/hr	230°C	686x547x345 943x547x345 943x749x345	Large tank capacity, high output piston pumps graphic controls, up to 6 hose/gun channels Opt. 400/480V
ProBlue Fulfill 4, 7, 10 Liter	Case sealing, tray-making, cartoning 4, 7, 10	Same as ProBlue 4, 7, 10	same as ProBlue 4,7, 10	450°F, 230°C	varies based on liter (4, 7, 10)	Integrated, automatic adhesive melter and feed system in one.
AltaBlue TT Melters 4, 10 and 16 Liter	Case sealing, cartoning, traymaking packaging	Spur-Gear Pumps Auto or manual guns 2 to 4 guns	4.7kg/hr, 12.5kg/hr, 20kg/hr	230°C	334x478x552 441x649x620 441x649x620	Variable speed AC motors, key to line capacity, status-at-a-glance indicators, disposable filter, graphic court
VersaBlue 12, 25 and 50 Liter Melters	Case sealing, cartoning, traymaking, packaging, labelling	Metering Spur-Gear pumps Auto 2, 4 or 6 guns	14kg/hr, 25kg/hr, 50kg/hr	230°C	885x1382x582, 1445x1382x831, 1000x1382x782	Variable speed AC motors, grid reservoir, status-at-a-glance indicators, disposable filter, touch-screen interface
SureFoam Dispensing System	Case sealing, cartoning, traymaking, packaging	Retrofit to existing or new Nordson adhesive melters, 1 gun	Melter dependent	38 to 230°C	349x260x476	Reduce adhesive density and costs and use by 50%
DuraPail	Bulk melter, 5g pail	as above	203 lb (92kg)	230°C	1268x1180x540	AC gear pump
DuraDrum	Bulk melter, 5g drum	as above	595 lb (270kg)	1268x1180x540	1830x1570x945	Gear pump with preset motor speed
MiniBlue II	Case sealing, tray making, cartoning, packaging			190°C Maximum		Long life and 2 mg cycle times compact design and energy efficient with insulating cover.
SureBead	Case sealing, traymaking, cartoning, packaging			230°C		provides clog-free operation and easy nozzle changes for different applications
<b>ROBATECH CANADA</b>						
Robatech Equipment		Automated and semi automated				Hot melt adhesive on all types pkg. lines
<b>SAMUEL PACKAGING GROUP</b>						
Nordson	All	Hot melt glue				
<b>VALCO MELTON</b>						
D-Series	Case and carton sealing, palletizing	All-electric, motor-driven gear pump	11 to 50 lb/hr	450°F	10 - 53 lb	Microprocessor-based with touch pad interface
EC-Series	Case and carton sealing, palletizing	Multi-function control, pneumatic piston pump	4.2 to 13.05 kg/h	240°C	4, 8 and 14 lt	LCD Operator Panel for ease of use and programming
Melt on Demand Electric Kube	Case and carton sealing, tray sealing, case erecting	All-electric driven gear pump or air operated piston pump	26 lbs/12 kg/h	425°F/ 204°C	Up to 9 kg/h	Integrated auto feed/ remote storage adhesive bin
VDrum, VPail	Bulk melter series	For use with pail or drum	12-200 kg/h	425°F/ 204°C	20-300 L	Gear pump, pulse-free output

**LABELLING**

MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
<b>AESUS PACKAGING SYSTEMS INC (In Canada: Ross Packaging, Delta, BC)</b>							
ECO Wrap	Up to 24"	PS	PS	All	No limit	0-120bpm	Prism
DELTA Wrap	Up to 24"	PS	PS	All	No limit	0-180bpm	StarPrism
PREMIER Plus Wrap	Up to 12"	Label applicator	PS	All types	All types	0-320bpm	StarPrism
<b>AHEARN &amp; SOPER INC</b>							
Label-Aire 2111HS	Max 3"x3" lbl		PS	Top, bottom side		to 1000 lpm	Air-Blow
2114	Max 4" wide lbl		PS	As above		to 1600 lpm	Tamp-Blow
2115	Max 7" web		PS	As above		to 1250 lpm	Wipe-on
<b>ASSOCIATED PACKAGING EQUIPMENT CORP</b>							
APEC Polyclad 200	100-475 mm	Spot or wrap around	Hot or cold glue pattern	Round	30-450 mm dia.	200 bpm	Inline
APEC Polyclad 900	As above	Spot or wrap around	As above	Round	As above	450 bpm	Inline
APEC Polyclad 500	As above	Spot or wrap around	As above	Round	As above	650 bpm	Inline
APEC Polyclad XL	100-650 mm	As above	As above	Round	Up to 10L	35 bpm	Inline
900 Series SL	100-540 mm	As above	As above	Round	As above	350 bpm	Inline-as above
200 Series ST	100-540 mm	As above	As above	Round	28-165 mm	200 bpm	Inline speed depends on diameter
<b>B&amp;H LABELING SYSTEMS (In Canada: Omnifission, Mississauga, ON)</b>							
BH8000 high speed roll-fed labeling system	6.5-16.2"	All label mt'l	Hot melt	Round	2.5-7.5"	80-700 cpm	PLC controlled
Marathon SLA/XLA	5.1-22.4"	As Above	As Above	As above	2-6.00"	70-650cpm	Smartdrive
<b>BANDING SYSTEMS</b>							
BA24/15 - Arch Size: 240m x 150mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 240m x 150mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)
BA32/20 - Arch Size: 320m x 200mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 320m x 200mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)
BA40/25 - Arch Size: 400m x 250mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 400m x 250mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)
BA48/30 - Arch Size: 480m x 300mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 480m x 300mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)
BA64/35 - Arch Size: 640m x 350mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 640m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)
BA80/35 - Arch Size: 800m x 350mm	Film width: 28, 40, 48, 60, 75, 100 and Band 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 800m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 0.035mm)



LABELLING							
MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
BA96/35 - Arch Size: 960m x 350mm	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 960m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
Custom Arch Size Systems	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Plastic or Paper	Heat seal	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Up to 960mm x 700mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
<b>BARCODE GRAPHICS INC</b>							
Sato Printers	4" - 6", Varies	Thermal Transfer	PS			Varies	Varies
Datamax Printers	4" - 6", Varies	Thermal Transfer	PS			Varies	Varies
Zebra Printers	4" - 6", Varies	Thermal Transfer	PS			Varies	Varies
BarTender Labeling Software	Varies	Transfer, Laser, etc.	Varies			Varies	Varies
Label Matrix Labeling Software	Varies	Transfer, Laser, etc.	Varies			Varies	Varies
LabelView Labeling Software	Varies	Transfer, Laser, etc.	Varies			Varies	Varies
<b>BEAR LABEL MACHINES (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>							
Bear XS-1250	202-603 Dia	Full wrap paper or foil	Hot melt & Cold Glue	Aluminum or Steel Cans/Glass/Plastic	Various	to 1,200 upm	Diameter dependent, fast, few moving parts, simple and small footprint
<b>BEST PACKAGING SYSTEMS</b>							
CTM	Per request	Die cut or butt cut	Pressure sensitive	Variable			Speed/application
<b>BIZERBA CANADA INC</b>							
Bizerba Series GLM-1	30-160mm	Spot Weigh price	Manual rotary air blow piston	Variable	Variable	150ppm	Integrated checkweigher metal detector QR Code
<b>CAPMATIC LTD</b>							
Capmatic Labelstar System 1	200 mm	Roll	PS	Round	Any	10-350 bpm	Wrap around
Capmatic System 5/1	200 mm	Roll	PS	Any	Any	As above	One side
Capmatic System 5/2	200 mm	Roll	PS	Any	Any	As above	Two side

LABELLING							
MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
Capmatic System 2/2	200 mm	Roll	PS	Any	Any	10-350 bpm	Wrap around two side label
Capmatic System 2	40x24 mm	Roll	PS	Small boxes	150x220x65 mm	22000 bph	Tamper evident label
Capmatic System 1	100 mm	2 x rolls	PS	Round	18 to 80 mm	22000 bph	Complete with vision system
Capmatic Monostar 1	100 mm	Roll	PS	Round	10 to 30 mm	10-350 bpm	Monoblock base star wheel feeding & exit on tray
BambinoStar RotoStar	Varies	Roll	PS	Round	Any	60000 bph	
<b>DIAGRAPH (In Quebec: Visuascan Inc.)</b>							
CTM	Any Size	Wraparound & spot	PS	Varies	Varies		Semi, automatic labelprint & apply
<b>DJS ENTERPRISES</b>							
DJS Wrap Labelers	Customized to customer's needs			Round or oval with hot stamp coder		60 to 200 per min	
<b>DOMINO PRINTING SOLUTIONS INC</b>							
M-Series Print & Apply (various models designed to meet labeling requirements)	Up to 210mm x Blow; tamp; 300mm		Various models tamp & blow; wipe	Available to meet the smallest labeling needs such as pharmaceutical	Unlimited	Relative to applications	Flexible multi-purpose solution that suits many applications within box and product labeling meeting demands for both acc and speed; side, top, bottom labeling, stationary or moving
<b>GEBO CERMEX CANADA INC</b>							
<b>ROLLSLEEVE</b>							
Innovative rotary labeler to create and apply plastic shrink sleeves from a machine direction (MDO) labels roll onto glass, plastic and metal containers							
<b>HOT MELT</b>							
Hot Glue Labeler. The Hot Melt is an automatic rotary hot glue labeling machine for applying complete wrap-around pre-cut plastic labels on glass, plastic and metal containers.							
<b>HARLUND INDUSTRIES LTD</b>							
ID Tech 250 LPA			PS	Many			
ID Tech RFID			PS	Many			
ID Tech 150/220 LA			PS	Many			
Nita			all	PS			
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>							
Kaps-All LW-40	Up to 7"		Spot, wrap, PS, front & back	Any style	15"	Up to 120	Compact heavy duty design
<b>KRONESMACHINERY CR LTD</b>							



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**LX400 COLOR LABEL PRINTER**

**LX2000 COLOR LABEL PRINTER**

**CX1200 COLOR LABEL PRESS**

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**LABELLING**

MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
Modul Labelers	Inquire-designed to suit customer requirements	Various; cold glue cut and stack, hot melt cut and stack reel fed plastic, pressure sensitive self adhesive	Various; cold glue, hot melt, pressure sensitive			Inquire - build to suit	Rotary machine design can be equipped with combinations of different label applicators
Autocol	Inquire-designed to suit customer requirements		Pressure sensitive Labels - self adhesive			1,000 and 48,000 cph (containers per hour)	
Canmatic	Inquire-designed to suit customer requirements	Cut and stack paper on film	Hot melt glue			15,00 to 64,000 cph	
Contiroll	Inquire-designed to suit customer requirements	Automatic reel magazine for roll	Hot melt glue or solvent			3,000 to 80,000 cph	
Multireel	Inquire-designed to suit customer requirements	Automatic reel magazine for roll-fed labels	None			To suit Controll application	
Sleevematic	Inquire-designed to suit customer requirements	Full body shrink label	Radiant heat or steam shrinking			3000 to 50,000 cph	
Stretchmatic	Inquire-designed to suit customer requirements	Plastic body stretch label	None			Inquire - build to suit	
Garantomat/ Garantomatic	Inquire-designed to suit customer requirements	Tamper evident shrink bands	Radiant heat			Up to 36,000 cph	
Taxomat	Inquire-designed to suit customer requirements	Tax Strips and Lid Labelling	Cold glue and hot melt			3,000 and 40,000 cph	
<b>LABEL AIRE INC (In Canada: Ahearn &amp; Soper)</b>							
Model 3111	1x1 to 6x9 in.	Spot, front, back, wraparound	PS	Rectangular, oval, round	Varies	1,250 ipm	Automatic
Model 3015	Up to 3x3 in.	Paper	PS	Various	Varies	750 ipm	Economy wipe-on
Model 3114	1/2x1/2 to 6x6 in.	Spot, front, back wraparound	PS	Various	Varies	600 ipm	High accuracy
Model 3115	7x20 in.	All types	PS	Various	Varies	2000 ipm	High-speed wipe-on
Model 6200 FB	7x12 in.	All types	PS	Various	Varies	Up to 300 ppm	High speed system
<b>MAKRO LABELLING SYSTEMS (In Canada: Newmapak Ltd.)</b>							
Makro Mak 0,1,2,3,4,5,7,8		Spot, Wraparound, Neck, Medallion	G,PS,HM, RollFed	All Shapes		From 25 to 700bpm	Modular base frame, patented optical orientation systems
Makro Labelling			Glue, Hot Melt, Pressure Sensitive, RollFed	All types of containers		Up to 800 bpm	Rotary, Modular design for complete flexibility. Optical Orientation system on a walking beam. Can interchange multiple labeling heads on same machine.
<b>MARSH CO (In Canada: Videojet Technologies Canada)</b>							
L500A	4, 6, 8 in. wide	Spot	PS	Any	Any	1200 ipm	Auto-Teach, micro-stepper drive
L2000PA	2x1, 5.5x6 in.	Spot	PS	Any	Any	10 ips	Bar coding
L5000PA	4.2x25, 7.2x16 in.	Corner wrap & spot	PS	Any	Any	12 ips	14 in. roll dia.
L250A	4, 6, 8 in. wide	Spot	PS	Any	Any	1200 ipm	Stepper
L2500A	4.2x25, 7.6x16 in.	Corner wrap & spot	PS	Any	Any	12 ips	12 in. foil
<b>MATTHEWS MARKING SYSTEMS</b>							
<b>MULTIVAC CANADA</b>							
Range of web widths (In-line & Offline labelers)	Up to 11.8"	All	PS	All		3779 ipm	Washdown, integrated web technology
<b>NITA LABELING EQUIPMENT (In Canada: Packaging Machinery Concepts, Industrial Marking Systems, Pemberton, Techno-Pak, Resolution Technologies, Harlund Industries, Control GMC)</b>							
NITA ae612MKII	6x24	long	PS	Any	Unlimited	200ppm	Servo motor
NITA top & bottom	6x15		PS	Any	15"	200ppm	Synchronisation
<b>NJM PACKAGING</b>							
Model 130 BRONCO		Spot, wrap around, front & back, 3-4-5 panel	PS	F&B, 3-4-5 panel, wrap around	max 7" dia x 14" height	200bpm	High end servo labeling technology
MODEL 326 AUTOCOLT® IV		Spot, wrap around, 3-4-5 panel	PS	Round, oval, square, rectangular	max 5" dia x 14" high	up to 400bpm	High end servo labeling technology
Model 126 TROTTER		Spot, wrap around, front & back, 3-4-5 panel	PS	Round, oval, square, rectangular	max 7" dia x 14" high	120 bpm	High end servo labeling technology
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Marten, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>							
PatternJet Systems for Magazine-fed Labelers	Up to 200mm		Cut and stack, Magazine-fed	Pick-up Any Non-contact spray, Lap seam - slot gun		84,000/hr	Up to 90% adhesive savings, Reduces waste, improves appearance. Closed system increases process control
Melter Upgrade for In-Line, Roll fed labelers		Any	Any	Hot melt adhesive wheels	Any	Any	System dependent
PatternJet Plus Systems for In-Line fed labelers	to 200mm	Roll-fed	Non-contact	Mini beads or swirls of hot melt on leading and trailing edges	Any	Any	36,000/hr
e.dot+ Systems for Carousel Rollfed labelers		Roll-fed	Non-contact dots of hot melt on leading and trailing edges	Any	Any	60,000/hr	
<b>PAXTON PRODUCTS (In Canada: Eckert Machines, 3841 Portage Rd., Niagara Falls, Ontario, L2J 2L1)</b>							
Label Air Knife Drying Systems	Any	Any	Any	Any	Any	Any	
<b>PLAN AUTOMATION INC</b>							
Universal Banding Systems	Up to 20" x 8.5" Band width: 28mm to 120mm	Variable Plastic or Paper Band	P.S. Heat seal	Rigid	Up to 12" Up to 960mm x 700mm	200 Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
SPS PHIN	Variable	Wraparound or two sided	Pressure Sensitive	Rigid	Variable	Up to 600	
<b>PRIMERA TECHNOLOGY INC</b>							
CX1200 Color Label Press	Continuous Feed 8.5" Media Width x 1250' 12" OD		Pressure Sensitive	For Printing Labels to Use on All Container Types		16.25 FPM (4.9 MPM)	Color Dry Toner Printer
FX1200 Digital Finishing System	Continuous Feed 8.5" Media Width x 1250' 12" OD		Pressure Sensitive	For Printing Labels to Use on All Container Types		Up to 20 FPM (6.1 MPM)	Laminates, Digitally Die-Cuts, Removes Waste and Rewinds to Finished Rolls
CX1000 Color Label Printer	Pre-Die-Cut Labels 8.5" Media Width, 450' Length, 8" OD		Pressure Sensitive	For Printing Labels to Use on All Container Types		16.25 FPM (4.9 MPM)	Color Dry Toner Printer
LX900 Color Label Printer	Pre-Die-Cut Labels 8.25" Media Width, 6" OD		Pressure Sensitive	For Printing Labels to Use on All Container Types		up to 4.5" IPS	Dye Based Inkjet Printer
LX400 Color Label Printer	Pre-Die-Cut Labels 4.25" Media Width, 5" OD		Pressure Sensitive	For Printing Labels to Use on All Container Types		up to 1" IPS	Dye Based Inkjet Printer
AP360 Label Applicator	Label width 1" to 9.4" label diameter 0.6" to 6.7"			For applying labels to cylindrical containers		up to 1200 per hour	Applies one label
AP362 Label Applicator	Label width 1" to 9.4" label diameter 0.6" to 6.7"			For applying labels to cylindrical containers		up to 1200 per hour	Applies up to two labels
AP550 Label Applicator	label width .75" to 4" label diameter .75" to 6"			For applying labels to flat surface containers		up to 500 per hour	Applies one label
LX2000 Color Label Printer	Pre Die-Cut Labels 8.25		Pressure Sensitive	For printing labels to use on all container types		up to 6" IPS	Pigment Based Inkjet Printer
<b>QUADREL LABELING SYSTEMS (In Canada: Newmapak Ltd.)</b>							
Quadrel, EconoLine Wrap		Front/Back wrap	PS	Round	14"	Up to 100bpm	Frequent changeover + wide variety of products
Quadrel, TechLine wrap		Front/Back wraparound	PS	Round + Clindrical	14"	Up to 200bpm	Multi-shift operation + no tool/no change part operation
Quadrel, ProLine		Front/Back wrap	PS	Oval, rectangular, cylindrical and uniquely shaped containers		Up to 400bpm	Up to six labeling stations
Quadrel Labelling Systems			PS	All types of containers styles		Up to 150 bpm	In-line systems to meet all your labelling challenges.

**LABELLING**

MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
<b>SAMUEL PACKAGING GROUP</b>							
Universal labeling printer applicator	up to 6.5" wide		Pressure sensitive	Wipe-on, blow, tamp blow	All	up to 16"/sec	
Samuel labeling printer applicator	up to 8.5" wide		As above	As above	All	As above	
Universal labeling labeler	up to 6" wide		As above	As above	All	up to 3000"/min	
<b>SHAWPAK SYSTEMS LTD</b>							
EPI Corner	Various		Pressure Sensitive	Corner	box		Optional thermal transfer printer
EPI U II	1.25" x 1.25" to 6"x5"			Vac/blow tamp corner wrap 2-panel or tamp blow	various	750 linear inches per minute	
EPI Bakery	1/2 to 5" wide x 24" long max	Pressure Sensitive		Vac/blow tamp corner wrap 2-panel or tamp blow	various bakery containers	Various Sizes	1200 Vac/blow tamp corner wrap 2-panel or tamp blow
EPI B Series	Various	Wrap labelling	Wrap around	bottles	1 to 6	1200 in/min	Dry, wet or cold operation
EPI Flex-Pack-Product S	1.25"x1.25" to 6"x5"			flexible, stand up, bag, flow wrapped, stretch wrap			Install on to any bag filling machine
EPI top and Bottom	Various			clamshell, tub style 1		1200min higher speeds available	
EPI Core Series	up to 4	Pressure Sensitive	Pressure Sensitive	various	Various Sizes	up to 6 IPS	Print and Apply, Tamp - Tamp/Blow
EPI Core Series Wipe	up to 4" x 6"		Wipe	various bakery containers	Various	up to 1000 IPM	
EPI Core Series Tamp	up to 4" x 6"		Tamp	various	Various	up to 1000 IPM	Tamp blow
EPI Auto Label Dispenser	1/2 to 3.5	Pressure Sensitive	Manual	various	Various Sizes	Operator dependent	Print and Apply - single colour 300 DPI
EPI Print and Apply	6" wide x 10"+ long max	Printed labels		vac/blow tamp corner wrap 2-panel or tamp blow	wide range	16" per sec 960" min	
EPI M Series	5" high up to 10" - up to 12" long and larger available					1200 in/min or up to 6000 in/min optional	
<b>SPEEDWAY PACKAGING MACHINERY</b>							
ELF-20	Max H 4"	top	PS	flat	various	52"/min.	Table top
PL-10	Max H 5 7/8"	top or side	PS	various	as above	130'/min	Top stand
Primera AP360	w to 8.25"	wrap around applicator	PS	round	1"-9.4"	1200 p/h	compact size
ELF-50	Max H 4.8"	wrap around	PS	round	various	52'/min	TableTop
PL-211	150mm applicator Max W 5 7/8" 200mm applicator Max W 7 7/8"	top	PS	flat	various	130'/min	Stepper Motor
PL-221	150mm applicator Max W 5 7/8" 200mm applicator Max. W 7 7/8"	top & bottom	PS	flat	various	130'/min	Stepper Motor
PL-501	5 7/8" H x 14" L	wrap around	PS	round	various	130'/min	Stepper Motor
PL-521	5 7/8" H x 2 15/16" L	horizontal wrap around	PS	round	various	130'/min	Stepper Motor
PL-622	150mm applicator Max. W 5 7/8" 200mm applicator Max. W 7 7/8"	front & back	PS	various	various	98'/min	Stepper Motor
SPM-10	5 7/8" H	side or top	PS	various	various	98'/min	Stepper Motor
SPM-56E	up to 10" diameter X 5" wide	top tamp	PS	various	various	Variable	Compressed Air
<b>SPS PHIN LIMITED</b>							
Benchmark bench-mounted	0.5"-10" (13mm-250mm)	Front/back (single head)	PS	Cylindrical	H: 2"-14" (50-360mm) D: 0.6"-4.4" (14-110mm)	20-30 cpm	Semi automatic
SM900, SM900C In-line Pressure Sensitive	0.5"-11" (13-280mm)	Front/back/neck or shoulder (1 to 4 labels)	PS	All shapes	H: 2"-14" (50-360mm) D: 0.5"-7" (13-180mm)	20-250 cpm	Free standing or conveyORIZED
SM1000 In-line Pressure Sensitive	As above	As above	PS	As above	As above	As above	Multi-station quick changeover
ML 68/80 AA Rotary Pressure Sensitive	0.5"-24" (13-610mm)	Front/back neck or shoulder wraparound	PS	All Shapes	H: 2"-14" (50-360mm) D: 1.5"-4.75" (40-120mm)	20-400 cpm	High speed pressure sensitive
SM1200 In-line Hot melt/cold glue	1"-21" (25-530mm)	Wraparound, spot	HM/G	Cylindrical	H: 2"-18" (50-450mm) D: 1.5"-6.5" (38-165mm)	20-500 cpm	In line wraparound
SM1500 In-line Cold glue/pressure sensitive	1"-9" (25-230mm)	Front/back/neck/shoulder	G or Combination G/PS	All shapes	H: 2"-14" (50-360mm) D: 1"-11" (25-280mm)	40-200 cpm	Multi-adhesive system, multi shape
SM1700/1800 In-line Cold glue/pressure sensitive	2"-8" (50-200mm)	Front/back/neck/shoulder/top seal	As above	As above	H: 2"-16" (50-405mm) D: 1"-8" (25-203mm)	30-300 cpm	Up to 6 stations, and security sealing
ML 68/80 Rotary Hot Melt	1.5"-18" (38-460mm)	Front/back/neck wraparound	Hot-melt or Combination HM/PS	Cylindrical / Rectangular	H: 2"-14" (50-360mm) D: 1.5"-4.5" (40-120mm)	50-1000 cpm	Very high speed, hot melt
ML 68/74 Rotary Cold glue/pressure sensitive	1"-6" (20-160mm)	Front/back/neck/shoulder/top seal	G or Combination G/PS	All shapes	H: 2"-14" (50-360mm) D: 1.5"-4.5" (40-120mm)	20-200 cpm	Versatile, economical rotary
ML 80/81 Rotary Cold glue/pressure sensitive	1"-7" (20-185mm)	Front/back/neck	G or Combination G/PS	All shapes	H: 2"-14" (50-360mm) D: 1.5"-4.5" (40-120mm)	10-1000 cpm	Up to 6 label stations and security sealing
Elina 12/30 Rotary Hot-melt	4.5"-15" (100-400mm)	Wraparound plastic from reel	Hot-melt	Cylindrical/rectangular	H: 2"-15.5" (50-400mm) D: 1.5"-4.5" (40-120mm)	120-600 cpm	Reel-fed plastic wraparound labels
<b>SHRINK SLEEVING Full Range</b>							
<b>TAPP LABEL TECHNOLOGIES INC</b>							
Impresstik vacuum belt/modular design	All		PS	Cylindrical	All	Up to 150 cpm dispensing up to 3 labels (labels can be multi panel)	Modular design with up to 3 labeling heads
Custom Machinery	All		PS	PS	All	All	To spec
<b>VALCO MELTON</b>							
Roll-Through Labeler Conversion Kits	No restrictions	Wrap around	Glue	Roune			
<b>VC999 CANADA LTD</b>							
VC999 /Koch labellers for HFFS equipment	up to 200mm wide	Applicator					
<b>VIDEOJET TECHNOLOGIES</b>							
P-3400	0.5w-0.5"L to 4"w, 19.7" L	Spot	PS	Variable	Variable	6.6 to 98.6 fpm	Fast & accurate
LabelJet 262	1x1" to 7.3w9.1L	Spot	PS	Variable	Variable		80+ printer configurations
9550 Print & Apply	0.5w-0.5"L to 4"w, 19.7" L	High Speed Print & Apply	Wipe, tamp or brush	Varies	Varies	Up to 300fpm	Revolutionary Intelligent Motion technology targets zero unscheduled downtime with automatic control of the entire system.
<b>VISUASCAN INC</b>							
Intec CTM		Any style	PS			60 labels/min.	
<b>WEBER MARKING SYSTEMS OF CANADA</b>							
Weber 5300 Print & Apply	From 0.75"x0.75" to 6.6"x12", depending on application		Pressure Sensitive, dye cut.	Tamp blow, direct tamp, wipe-on, air blow.	Varies	Varies	Depending on label size, product sizes and conveyor speed Modular design provides numerous label application configurations: Tamp Blow, Twin Tamp, Corner Wrap, Air Blow, Wipe On, Pallet Labeler (1 side or 2 sides), Pail Labeler, Tire Labeler
Weber 4300 Print & Apply	From 0.75"x0.75" to 6" x6", depending on application		Pressure Sensitive, dye cut.	Tamp blow	Varies	Varies	Depending on label size, product sizes and conveyor speed Tamp blow or swing arm configurations.



LABELLING							
MAKER & MODEL	LABEL SIZE RANGE	LABEL STYLE*	LABEL ADHESION METHOD	CONTAINER STYLE	CONTAINER HEIGHT, DIAMETER	SPEED	SPECIAL FEATURES
Weber Alpha Compact	From 0.75"x0.75" to 6"x12", depending on application.	Pressure Sensitive, dye cut.	Wipe-on and tamp blow.	Varies	Varies	Up to 400 labels/min. Depending on label size, product sizes and conveyor speed.	Stepper motor driven. Wipe-on and tamp blow configurations.
Weber Alpha Compact Plus	From 0.75"x0.75" to 6"x12", depending on application.	Pressure Sensitive, dye cut.	Wipe-on.	Varies	Varies	Up to 1,000 labels/min. Depending on label size, product sizes and conveyor speed.	Servo motor driven. Wipe-on configurations.
Weber Alpha Compact LS	From 0.75"x0.75" to 6"x12", depending on application.	Pressure Sensitive, dye cut.	Wipe-on	Varies	Varies	Up to 100 labels/min. Depending on label size, product sizes and conveyor speed.	Stepper motor driven. Wipe-on configurations.
Turn-key Clam Shell Labeling system with Alpha Compact and conveyor.	From 2"x2" to 5"x12"	Pressure Sensitive, dye cut.	Wipe-on	Clam shells and other similar containers	Varies	Up to 80 labels/min. Depending on label size, product sizes and conveyor speed.	Up to 4 Alpha machines per system. Custom built based on application's specs.
Model 121 Turn-key Bottle Wrap Labeling system with Alpha Compact and conveyor.	Minimum: 0.4" x 0.8" (10mm x 20mm) Maximum 6.0" x 12.0" (150mm x 300mm)	Pressure Sensitive, dye cut.	Wipe-on	Cylindrical containers (bottles, jars, etc.). Diameter: 1.0" to 7.0" (25mm to 175mm) Height: 1.2" to 12.0" (30mm to 300mm)*	Varies	Up to 80 labels/min. Depending on label size, product sizes and conveyor speed.	Compact built bottle wrap turn-key system.
LA 4050-AC Print&Apply	from 0.75"x0.75" to 6"x12", depending on application.	Pressure Sensitive, dye cut.	Wipe-on	Varies	Varies	Up to 110 labels/min. Depending on label size, product sizes and conveyor speed.	High speed print & apply system, loose-loop configuration.
Tronics series 3	8.5" width (for wrap applications, up to 5.5" width, 12.5" long)	Pressure Sensitive, dye cut.	Wipe-on	Varies	Varies	Up to 180 labels/min.	Used in high speed front & back, top & bottom or bottle wrap applications.
Herma H400	Standard: Up to 6.3' Optional: Up to 12.6'	Pressure Sensitive, dye cut.	Wipe-on and tamp blow.	Varies	Varies	Up to 1,000 labels/min. Depending on label size, product sizes and conveyor speed.	Servo motor driven. Wipe-on and tamp blow configurations.

### LEAK - CONTAINER INSPECTION SYSTEMS

MAKER & MODEL	CONTAINER TYPE	LEAK SIZE	SPEED	CONTAINER FEATURES
<b>ABBEY PACKAGING EQUIPMENT LTD</b>				
Teledyne TapTone T100	Glass, Metal, and Plastic - Jars, Cans, and Bottles	Low Vacuum	Up to 2000/min	Non-contact
Teledyne TapTone T550	Glass, Metal, and Plastic - Jars, Cans, and Bottles	Low Vacuum	Up to 2000cpm	
Teledyne TapTone T4000	Glass, Metal, and Plastic - Jars, Cans, and Bottles	Leaks, Fill Level Vacuum, Pressure, Physical Defects	Up to 2,000cpm	1-4 primary inspection sensors; (Acoustic, Proximity, X-Ray, Laser) CapVu, CodeVu, TotalView
Teledyne TapTone T4000-C	Plastic Containers, Tubes, Food/dairy cups	10 to 15 thou	300ft/min	1-4 primary inspection sensors; (Compression, X-Ray, Proximity, Laser) CapVu, CodeVu, TotalView
Teledyne TapTone T4000-DSC	Plastic Containers, Tubes, Food/dairy cups, Stand up pouches	4 to 6 thou	525ft/min	1-5 primary inspection sensors; (Dual Compression, Proximity X-Ray, Laser, Acoustic) CapVu, CodeVu, TotalView
Teledyne TapTone T4000-F	LN2 dosed teas, juices and water PET containers	5-10psi drop	300ft/min	1-4 primary inspection sensors; (Compression, X-Ray, Proximity, Laser) CapVu, CodeVu, TotalView
Teledyne TapTone T4000-FS	Aerosol Containers, Heavy Duty Aluminum, Can/Bottle Applications	1-2psi drop	525ft/min	1-4 primary inspection sensors; (Force, X-Ray, Proximity, Laser) CapVu, CodeVu, TotalView
<b>HEAT &amp; CONTROL CANADA INC</b>				
Ishida TSC-RS-120	Bags up to 120mm thick, 330mm wide	Pin hole:3mm	up to 150 bpm	Servo motor control; prevents product damage
<b>WITT (In Canada: Heat Sealing Packaging Supplies &amp; Equipment, Concord ON)</b>				
Leak-Master Easy	All flexible and rigid packs		30 sec	As above
Leak-Master	As above	Resolution: 1 ppm	Minimal response time	As above
Leak-Master MAPMAX	As above	Resolution: 1 ppm	15 cycles/min	As above
OxyBaby - Gas Analyser	Various containers including bottles and cans	0.1% - steps	Varies on gases	As above
PA Series - Gas Analyser	As above	0.1% - steps	Varies on gases	As above
MAPY	As above	0.1% - steps	Varies on gases	As above
Inline Gas Analyser	As above	0.1% - steps	Varies on gases	Various Packaging Styles

### METAL DETECTORS

MAKER & MODEL	SPEED	ACCURACY	REJECT DEVICE	SPECIAL FEATURES
<b>ABBEY PACKAGING EQUIPMENT LTD</b>				
Anritsu Industrial Solutions USA Inc. duw Metal Detector (M5)	Variable; 5 to 90m/min	From 0.5mm; Product Dependant	Automatic	Dual-wave simultaneous frequency, IP30 or IP66 Compliant, Variable Height, Variable Speed, Touch Screen
Anritsu Industrial Solutions USA Inc. duw-h Metal Detector	Variable; to 90m/min	duw-h High Accuracy; Product Dependant	Automatic	Dual-wave simultaneous frequency, IP30 or IP66 Compliant, Variable Height, Variable Speed, Touch Screen
Cassel (Magnetic Products Inc.) Metal Shark Conveyor Detector (BD)	Variable	From 0.5mm	Various	High-Speed DSP, multiple frequency, IP65 to IP69 rated
Cassel (Magnetic Products Inc.) Metal Shark R-Type High Sensitivity	Variable	From .05mm	Various	Ultra High Sensitivity, High-Speed DSP, multiple frequency, IP65 to IP69 rated
Cassel (Magnetic Products Inc.) Metal Shark Gravity Fed Detector (GF)	Variable	From 0.05mm	Various	High-Speed DSP, multiple frequency, IP65 to IP69 rated
Cassel (Magnetic Products Inc.) Metal Shark Pipeline Detector (PL)	Variable	From 0.05mm	Various	High-Speed DSP, multiple frequency, IP65 to IP69 rated
Cassel (Magnetic Products Inc.) Metal Shark Pharmaceutical (PH) Detector	Variable	From 0.25mm	Various	High-Speed DSP, multiple frequency, IP65 to IP69 rated
Magnetic Products Inc. Magnetic Separators	Variable	Magnets are available in a variety of sizes to meet application requirements	n/a	Capture large and small tramp metal from high volume, abrasive, vertical gravity-fed product streams to provide max metal retention
<b>BIZERBA CANADA INC</b>				
Bizerba GLS Series	Variable	0.25 FE	Belt stop/buzzer Pusher/Drop down Air blow, sorter	Integrated checkweigher option st. steel
<b>GHF Series</b>				
<b>EAGLE PI (In Canada: Plan Automation, Orangeville, ON; Banding Systems, Orangeville, ON)</b>				
Eagle PI Systems	Up to 120ppm and 1500ppm	Down to 0.2mm for FE, Non-FE Air Knife, Piston Arm, Drop and SS, 0.8mm Glass, 1.25mm Nose, Etc. Ceramic, 1.5mm Calcified Bones, etc.		Packaged or Raw Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software. Can inspect randomly in-feed cases from multiple lines simultaneously using a barcode reader. Unmatched Canadian service and parts support from PLAN Automation.
<b>FORTRESS TECHNOLOGY INC</b>				
Stealth	4000fpm	.14mm	Various	Never Obsolete; Parts, Service and software upgrades are Always available. Custom manufactured to suit any application. Data collection software included, with USB data transfer; suitable for HACCP compliance. Features include: Digital Signal Processing Technology, Ultra Sensitive Detection, Multiple Product Settings, Self Diagnostic Testing, Automatic Calibration, System Set-Up in Seconds, Flash Memory Stability, Multi-Level Password Protection.

### METAL DETECTORS

MAKER & MODEL	SPEED	ACCURACY	REJECT DEVICE	SPECIAL FEATURES
Phantom	4000fpm	.15mm	Various	Never Obsolete; Parts, Service and software upgrades are always available. Custom manufactured to suit any application. Features include: Digital Signal Processing Technology, Ultra Sensitive Detection, Multiple Product Settings, Self Diagnostic Testing, Automatic Calibration, System Set-Up in Seconds, Rugged Casing and IP69K rated available.
Pinpoint	4000fpm	.25mm	Various	Simple, low cost analog detector with excellent performance
Gravity System	4000fpm	.15mm	Diverter	Superior protection for free-flowing gravity applications.
Pipeline System	4000fpm	.15mm	Diverter	Customized to achieve superior results in pumped applications.
Pharmaceutical	10,000fpm	.15mm	Flap/Divert	High speed contaminant detection in tablets and candy with power height adjustment
Pneumatic Contact Communication Software	4000fpm	.5mm	Diverter	Pneumatic conveyor inspection Make your Metal Detector a Critical Control Point, with Long Term Data Storage, Event Logging, On-Demand Customized Reporting, Compatible with all Fortress digital metal detectors, Detailed Live View function, Universal Data Format, HACCP Compatible, Data Sharing, Unlimited Users
Vector Conveyor	300fpm	.5mm	Various	Custom built to suit the detector and the application; Vector Conveyors are manufactured from Stainless Steel and are suitable for harsh washdown environments. Choose from a variety of reject systems, belt sizes, belt configurations and sensors to maximize detector accuracy.
Vertex System	4000fpm	.0mm	Various	The compact Vertex fits where other metal detectors can't - typically between a Multithread Weigher and a VFFS machine (bagger)
Big Bag System	4000fpm	.5mm	Various	Superior detection in big bag applications. Achieves detection of 2.0mm Stainless Steel (316) in 50-100lb (25-50kg) bags of dry product and ferrous and non-ferrous metal as small as 1.5mm.
Laboratory	4000fpm	.8mm	Flap Gate	Further examine rejected product from an in-line Large Bag or Gravity detection system. Quickly filter out contaminants and reclaim good product.
Halo			Various	Automatic Testing System; Provides automatic, accurate and consistent tests. Decreases manual testing frequency and machine downtime. System has impressive ROI.
Interceptor	4000fpm	.1	Various	Simultaneous Multi-Frequency Operation, Broad Spectrum Frequency Transmission, ARM Processors: Multiple Channel Signal Processing, 100% Detection Sensitivity Increase, Noise Immunity Structure. Cost effective alternative to x-ray.
<b>HEAT &amp; CONTROL CANADA INC</b>				
CEIA THS/21 MS	Variable	Highest sensitivity & stability	Various	Multiple spectrum, eliminates false rejects, continuous self recalibration, one-pass Autolearn, IP69K washdown
CEIA THS/FB	Variable	Highest possible	Push plate, air blast	Conveyor system for THS detectors, integrated controls
CEIA THS/G21	Variable	Highest possible	Various	Single frequency cancels environmental interference, continuous self-calibration, auto learn, IP69K washdown
CEIA THS/21E	Variable	Highest possible	Various	Economical single & three frequency models, continuous self-calibration, auto learn, IP69K washdown
CEIA THS/RB-800	Variable	Highest possible	Various	800mm long, Slim-line metal detector integrated with conveyor controls
<b>LOMA SYSTEMS INC (In B.C. &amp; Alta.: Ross Packaging)</b>				
Loma IQ & IQ3 With & without material handling conveyors	to suit	from 0.2mm	to suit	Variable Frequency
<b>METTLER TOLEDO INC (Shawpak System Limited, Oakville, ON)</b>				
Safeline Rectangular Aperture Metal Detectors	20-350 ft min		To suit Application	
Safeline Gravity Fall Metal Detection systems	400- kg/hr -38,000 kg per hour		To suit Application	
Safeline Vertical Packaging Metal Detectors	150 cycles per minute or as per GF above		To suit Application	
Dafeline Pipeline Liquid Paste and Slurry Metal Detectors	20,000 lb/hr		To suit Application	
<b>MULTIVAC CANADA</b>				
310	48/min		Pusher, air blowing nozzle, diverter, hinged conveyor	Reliable detection of all metals. Robust stainless steel.
<b>PLAN AUTOMATION INC</b>				
Fortress Technologies	Up to 2000ppm	Down to 0.3mm for FE, Non-FE and SS	Application Dependant	
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>				
PPI NOW	50	Yes		Includes check weigher
<b>SESOTEC CANADA LTD</b>				
GENIUS+GLS	400fpm+	Up to 0.8mm	SOD, Pusher, Plow Retract	Low maintenance, high performance
GHF	400fpm+	Up to 0.5mm	SOD, Pusher, Plow Retract	Ultra high sensitivity, touch screen, USB
Rapid ship MD Conveyor	200fpm	UP to 0.5mm	SOD, Pusher, Plow	Quick Delivery
Sanicon MD Conveyor	Up to 300fpm	UP to 0.5mm	SOD, Pusher, Plow Retract	Custom Sanitary MD Conveyor
Liquiscan Metal Detector	300GPM+	Up to 0.8mm	Reject Valve	2", 3", 4", 6.5mm diameters for pumped liquids, pastes and meals
Rapid Series Gravity Free Fall	25 tons/hr	Up to 0.5mm	Diverter to suit	Ultra high sensitivity, Robust sanitary design
P-Scan Metal Detector	Gravity Free Fall	Up to 0.5mm		Suitable to VFFS machines, zero metal free zone
GF-400	Vacuum Conveying	Up to 1.5mm	Enclosed divert flap	Rejects metal from pneumatic conveying lines up to 0.5mm
Magnetic Separation	No limit	Ferrous metals	Traps ferrous metal	Easy-clean, sanitary design
<b>SHAWPAK SYSTEMS LTD</b>				
Safeline Powerphase Pro	0-900 fpm	0.2 mm and up	As above	Triple frequency operation enhanced one pass auto set-up, colour touchscreen interface
Safeline (Conveyor System)	5-900 fpm	0.5 mm	Automatic, as required	Microprocessor digital access code protected. Auto product set-up automatic balance control
Safeline ZMFZ (Zero Metal Free zone)	As above	0.5 mm	As above	Patented design, not influenced by nearby metal
Safeline GF (Gravity Feed)	Varies	0.25 mm	Automatic diverter	All detector features for dry bulk solids
Safeline PL (Pipeline)	Varies	As above	Automatic 3-way valve	Ss heavy duty seals for washdown applications. All detector features
Safeline Ferrous	200 fpm	1.0 mm	Automatic, as required	Inspection of foil wrapped products
Safeline Powerphase	5-900 fpm	0.4mm	Automatic, as required	Ultimate sensitivity, vibration immunity, multi-frequency, uniphase
Powerphase Pro Select	0-900 fmp	0.2 mm and up	As required	Variable frequency metal detector
<b>THERMO FISHER SCIENTIFIC (In Canada: Thermo Fisher Scientific, Burlington, ON)</b>				
Thermo Scientific™ APEX 100 Metal Detector	0.5-1000m/min	Application specific	Custom reject configurations	Reliable & robust, dual frequency /dual gain operation for application flexibility
Thermo Scientific™ APEX 300/300HD Metal Detector	0.5-1000m/min	Application specific	Custom reject configurations	Pipeline & gravity applications, Audit Check verification



**METAL DETECTORS**

MAKER & MODEL	SPEED	ACCURACY	REJECT DEVICE	SPECIAL FEATURES
Thermo Scientific™ APEX 500/500HD Metal Detector	0.5-1000m/min	Application specific	Custom reject configurations	Audit Check verification, higher sensitivity, HD designed to go beyond IP69K ratings
Thermo Scientific™ APEX 500Rx Metal Detector	0.5-1000m/min	0.3mm metal	Custom reject configurations	Tablet presses, capsule filling pharma applications, ultra high sensitivity, CFR 210 and 211 compliant
<b>VC999 CANADA LTD</b> Xtravac MDM4121	Conveyer belt speed: 30 m/min	Detecting accuracy: FE 1.5 mm, SUS 2.5 mm	no, stop and alarm	Belt direction available both ways
Xtravac MD3113	Conveyer belt speed: 10-45 m/min	Detecting accuracy: FE 1.0mm, yes in close bin SUS 2.2m		Left to right or right to left
<b>MODIFIED ATMOSPHERE PACKAGING</b>				
MAKER & MODEL	MATERIALS HANDLED	PLATEN AREA OR PACKAGE SIZE	INTERMITTENT OR CONTINUOUS MOTION	FEATURES
<b>ALEX E JONES &amp; ASSOCIATES LTD</b> Hayssen - RT Series	Laminate, Barrier	Varies dependent on product	Continuous Motion	Long dwell rotary dies to provide a hermetic seal
<b>CIMA PAK CORPORATION</b> Henkovic TPS XL	Performed Trays CPET, APET, and PP	Max tray size 395 X 290 X 100 mm or multiples of smaller	Intermittent	Fine Programming
Rotopack SVR Turn	Preformed Trays, CPET, APET and PP	Maximum tray size 13.75x10.6x4in	Intermittent	Continuous production
Frimaq Mini2V	Preformed Trays CPET, APET and PP	Maximum Tray size 21 x 12.75 x 4in	Intermittent	More trays per cycle in a small machine
<b>FORMOST FUJI CORPORATION (In Canada: Abbey Packaging Equipment Ltd.)</b> Formost Fuji Corp.				
FW 3700 Series Horizontal wrapper				
<b>GO PACKAGING</b> Veripack				
Tray Sealers & Thermoforming equipment				
<b>HARPAK ULMA PACKAGING LLC</b> Mondini Trave				
Rigid pre-forms		up to 500 x 1400 min	Intermittent	Mechanical sealing
<b>M &amp; M PACKAGING ASSOCIATES LTD</b> Bosch				
Heat Sealable		Large Range	Continuous & Intermittent	
<b>MULTIVAC CANADA</b> R105				
Food, Medical, Consumer Industrial		Up to 355x300mm	Intermittent	
R126	As above	Up to 420x360mm	Intermittent	
R145	As above	Up to 420x400mm	Intermittent	
R245	As above	Up to 560x640mm	Intermittent	
R535	As above	Up to 650x1300mm	Intermittent	
Traysealer Series	As above	Up to 980x300mm	Intermittent	
<b>PFM PACKAGING MACHINERY CORP (In Canada: Unisource Canada Inc., (ON, MB, BC, AB, QC); Celplast (ON); Packpro, Maritech, Terma Industrial)</b> PFM Falcon HSLD				
Laminates, metallized and other barrier materials		7.8x8.6x3.1 in.(H)	Continuous	Packs cheese, meat, poultry, pharmaceutical, bakery, confectionery
PFM Tornado LD, BBLD	As above	19.6x9.5x3.9 in.(H)	Continuous	As above
PFM Mistral & Mistral BB	As above	13.7x11.8x4 in.(H)	Continuous	As above
PFM Mistral HS, BBHS	As above	7.8x8.6x3.1 in.(H)	Continuous	As above
PFM Scirocco BB, BBHS	As above	7.8x7x3.1 in.(H)	Continuous	As above
PFM PV260 LD (VFFS)	As above	15.5x9 in.(W)	Continuous	As above
<b>REISER CANADA CO</b> Repak				
All industry standards		Various	Both	All stainless steel
Ross Inpack	Preformed trays & heat sealable materials	To suit trays	Intermittent	MAP/CAP versatility
Supervac	Heat sealable	To suit bags	Both	MAP/CAP versatility
<b>SEALPAC (In Canada: Heat Sealing Packaging Supplies &amp; Equipment, Concord ON)</b> A4				
As above		Varies on tool size	Continuous	Improved product presentation with inside cut and easy peel point technology, Wash down stainless steel, continued...
A5	As above	Varies on tool size	Continuous	IP65 protection standard, Remote support via internet, Can be configured for left to right or right to left operation.

**MODIFIED ATMOSPHERE PACKAGING**

MAKER & MODEL	MATERIALS HANDLED	PLATEN AREA OR PACKAGE SIZE	INTERMITTENT OR CONTINUOUS MOTION	FEATURES
A6	As above	Varies on tool size	Continuous	As above
A7	As above	Varies on tool size	Continuous	As above
A8	As above	Varies on tool size	Continuous	As above
A10	All heat sealable materials	Varies on tool size	Continuous	Versatile machine can do MAP, Trayskin, and EasyLid with a 10 minute tool change (no tools required), continued...
<b>SIPROMAC II INC</b> Sipromac TS-30				
All heat sealable films		Max tray: 13x9 in.	Semi-continuous	Busch pump, gas tank, 1 to 4 trays
Sipromac TS-70	All heat sealable films	Max tray 16x9 in.	Continuous	Busch pump, gas tank, 1 to 5 trays, exit conveyor on single lane, tray denester
<b>SUPERVAC MASCHINENBAU GMBH (In Canada: Reiser (Canada) Ltd., Burlington, ON)</b> Supervac				
Various		All	both	Map & cap Applications
<b>TNA NORTH AMERICA INC</b> TNA Robag				
OPP/BOPP		2-1/2 to 16-1/2 in.W	Continuous	Software integration with bagger
<b>VC999 CANADA LTD</b> VC999 TS Line				
All size trays		Single and multiple	Both	Up to 200 trays/min
Xtravac TS Line	All size trays	As above	Both	As above
<b>ORIENTING &amp; UNSCRAMBLING</b>				
MAKER & MODEL	PRODUCTS HANDLED	OPERATION	SPEED	FEATURES
<b>ALEX E JONES &amp; ASSOCIATES LTD</b> Lanfranchi - TurnMaster Orienter				
Plastic, bottles		Rotary Orienter	Up to 500bpm	Orienting (i.e. 90°, 180° and 270°)
Lanfranchi - Flexi Unscrambler	Plastic, PET and HDPE bottles	Rotary Unscrambler	Up to 250bpm	Automatic Change-over, Gentle with bottles, High uptime and efficiency.
<b>ASSOCIATED PACKAGING EQUIPMENT CORP</b> APEC-PPF-01				
Small containers		Orientation	500 cpm	Special shape
<b>BRADMAN LAKE INC</b> POF				
Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods		Product Orientation Feeder		Wide range features
<b>ADS</b>				
Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.		Automatic distribution system		Wide range features
<b>PF and SPF</b>				
Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods		Phase Feeders, and shuttle phase feeders		Wide range features
<b>BTU</b>				
Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods		Bar Turner Unit		Wide range features
<b>CAPMATIC LTD</b> Capmatic SortStar SortStar Pharma				
Small range bottles		Rotary	200 bpm	Quick change over
Small range bottles		Rotary	250BPM	Quick change over
<b>FEED SYSTEMS INC (In Canada: Newmapak Ltd)</b> FS-U				
Glass, plastic, metal bottles & jars		Semi-automatic	Up to 120 bpm	No change parts, variable speed
<b>FSRF-36</b>				
Plastic & metal bottles & jars, up to 16 oz.		As above	100 to 400 bpm	As above
<b>FILAMATIC (In Canada: Bellatrix, Pointe-Claire, QC)</b> Filamatic, Unscrambling and Accumulating Tables				
Glass & plastic vials		Rotary table	To 100 cpm	Anti-jam up oscillator
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b> Pace Packaging - Omni Line				
Bottles, Containers		Belt & Hook	Up to 500 bpm	SS Construction, Fast Changeover
<b>Pace Packaging - Orienter</b>				
Bottles, Containers		In Line	Based on Container	SS Construction, Fast Changeover
<b>INTELLIGRATED INDUSTRIES CANADA LIMITED</b> Unscrambler				
Cartons		Minimizes side-by-side cartons and promote single-file flow		
<b>KAPS ALL PACKAGING SYSTEMS INC (In Canada: Newmapak Ltd)</b>				

# NEXT EVOLUTION in metal detection

## INTERCEPTOR METAL DETECTOR

At a much lower cost of ownership than x-ray systems, this new simultaneous multi-frequency technology provides food producers, a cost effective alternative for their food safety programs.

The Interceptor, effectively processes the transmission and reception of multiple frequencies continuously over a broad spectrum. This revolutionary operation facilitates an improvement in detection capabilities of up to 100% with stainless steel, especially when inspecting traditionally difficult "wet" products.



## NEVER OBSOLETE: Our Metal Detectors Are Always Supported

Fortress metal detectors have always been engineered with a Never Obsolete Commitment. Our customers have peace of mind that a Fortress metal detector will always be supported with parts, software upgrades and a global service team for the life of the detector.

Stay up to date without having to purchase a new detector.



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**ORIENTING & UNSCRAMBLING**

MAKER & MODEL	PRODUCTS HANDLED	OPERATION	SPEED	FEATURES
Kaps-All AU-6	Pharmaceutical, Personal Care Product, Foods and Chemicals	Container randomly dumped into supply hopper, gently deposited into rotary re-feeder bowl, single-filled and sent down slide chute, enter a stand-up unit which orients bottles to an upright position.	For low, medium and high-speed bottling lines	Can handle most container shapes. Stainless Steel and Fast changeover
Kaps-All AU-6C	Pharmaceutical, Personal Care Product, Foods and Chemicals	Container randomly dumped into supply hopper, gently deposited into rotary re-feeder bowl, single-filled and sent down slide chute, enter a stand-up unit which orients bottles to an upright position.	For low, medium and high-speed bottling lines	Can handle most container shapes. Stainless Steel and Fast changeover
Kaps-All Packaging	Plastic containers	In-line unscrambler to accept bulk bottles from hopper and orientate them onto take away conveyor	up to 150 bpm	Can have integrated rinsing of bottles
<b>LANFRANCHI SRL (In Canada: Newmapak Ltd.)</b>				
Lanfranchi Rotary Bottle Unscramblers	Plastic Bottles	Automatically feeds bottling lines.	60 to 1,200 bpm	Vacuum Starwheels Lift Master, Vacuum Sliding Plates. Gentle handling of all bottles
Lanfranchi Unscrambler/Rinser Monoblocks	Plastic Bottles	Automatically feeds and cleans plastic bottles prior to filling.	60 to 1,200 bpm	Same as above
Lanfranchi Bottle Air Conveyor	Plastic Bottles	Conveying of plastic bottles by means of neck handling.	Up to 1,200 bpm	Gentle handling of bottles. Optional automatic Infinity guide rail change over system.
Lanfranchi	All types of plastic containers	Rotary system that takes bulk bottles and orientates them to an upright position onto exiting conveyor	U to 1200 bpm	Can have integrated rinsing of bottles
<b>NALBACH ENGINEERING COMPANY INC</b>				
Necosort III	As above	Vertical bowl	1,000 bpm	Damaged bottle tolerant, small footprint
Necosort	Plastic Bottles	Inclined	400 bpm	3 year warranty Only 2 moving parts Quick change-over flexibility
<b>NEW ENGLAND MACHINERY INC</b>				
NEHCP	Plastic, metal, composite containers to 1 gal.	Unscrambler, places on conveyor, from random bulk supply	300 cpm	Optional air-cleaner, adjustable small footprint
<b>NJM PACKAGING</b>				
UNISORT 32 Unscrambler	Plastic round, rectangular, square		up to 200bpm	Compact footprint, infeed hopper, easy install
<b>OMA PACKAGING (In Canada: Newmapak Ltd)</b>				
OMA Packaging	Glass and Plastic bottles	Bottles are depalletized either by means of gripping or sweep-off onto take away conveyor	up to 300bpm	
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>				
Rotary Pocket Unscrambler	Plastic bottles	Automatic	50-300	Integrated air rims
Omega-Sort	Plastic bottles	Automatic	50-300	Desiccant feed, prin & vision
<b>PLAN AUTOMATION INC</b>				
New England Machinery	Rigid containers	Continuous	Up to 400 ppm	all S.S. construction

**PALLETIZING**

MAKER & MODEL	PRODUCTS HANDLED	SPEED	OPERATION	FEATURES
<b>ABB INC BUSINESS UNIT ROBOTICS</b>				
IRB 660	Boxes, cases, bags, pails, etc.		Material handling, palletizing, depalletizing	250 kg payload, 3.15m reach, IP67 protection
IRB 6640	As above		As above	130 kg payload, 3.20m working area, IP67 protection
IRB 760	As above		As above	450 kg payload, 3.20m reach, IP67 protection
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Hartness - Palletizing Solutions	Cases, Bundles, Pails, Bags	Varies dependent on product	Robotic	Single source OEM Integration & Responsibility
<b>BEUMER CORPORATION</b>				
Beumer paletpac				5,000+ bags/hr
Beumer robotpac				Up to 1900 bags/hr.
<b>CHARLES DOWNER &amp; CO LTD</b>				
Euroimpianti SKILLED	All types of robotic palletizers	various	Robotic Systems	Specialize in systems, over 100 in operation in Canada
<b>COLUMBIA MACHINE (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
Columbia FL1000	Cases/Trays/Crates/Bundles	to 10 cpm	Floor Level Infeed	Modular, Small Footprint
Columbia FL1000SW	Cases/Trays/Crates/Bundles	to 10 cpm	Floor Level Infeed	Integrated Pallet Wrapper
Columbia FL2000	Cases/Trays/Crates/Bundles	to 20 cpm	Floor Level Infeed	Modular/Flexible Layouts
Columbia FL3000	Cases/Trays/Crates/Bundles	to 30 cpm	Floor Level Infeed	Modular/Flexible Layouts
Columbia HL2000	Cases/Trays/Crates/Bundles	to 20 cpm	High Level Infeed	Modular, Flexible Layouts
Columbia SP4000	Cases/Trays/Crates/Bundles	to 40 cpm	High Level Infeed	BiParting Stripper Apron
Columbia HL6200	Cases/Trays/Crates/Bundles	to 60 cpm	High Level Infeed	Modular, Flexible Layouts
Columbia HL7200	Cases/Trays/Crates/Bundles	to 70 cpm	High Level Infeed	Modular, Flexible Layouts
Columbia HL9200	Cases/Trays/Crates/Bundles	to 150+	High Level Infeed	Modular, Soft turn Infeed
Columbia LTS Load Transfer Stations	Cases/Trays/Crates/Drums/Totes	1 Load per min	Lateral Transfer of Full Pallet Loads to a New Pallet - without inverting the load	Stand Alone to Fully Automatic Systems
Columbia Machine	Cases, Trays etc...	5-150 cpm	Floor Level, High Level, High Level In-Line	Safety, Flexibility and Performance
<b>COLUMBIA OKURA (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
Columbia Okura A700	Cases, Trays, Bags, Pails...	4-Axis Articulated Arm	700 picks/hour	Single Source OEM Integration Responsibility
Columbia Okura A1600	Cases, Trays, Bags, Pails...	4-Axis Articulated Arm	1600 picks/hour	Single Source OEM Integration Responsibility
Columbia Okura A1800	Cases, Trays, Gas, Pails...	4-Axis Articulated Arm	1800 picks/hour	Single Source OEM Integration Responsibility
Columbia Okura	Cases, Pails, Bags, ...	Servo Driven Articulating Arm	5-40 upm (pattern dependent)	Safety, Flexibility and Performance
<b>CONSOLIDATED TECHNOLOGIES INC</b>				
Robotic Palletizer	Cases	Variable		Small Footprint
<b>EAGLE PACKAGING LLC</b>				
Z.ZAG	Cases	6/min	Automatic	Lift up to 40 lbs; SCARA designed palletizer equipped to handle a wide range of cases; Lift 1 or 2 cases at a time, designed for multiple pack patterns, both column-stacked and interlocked
<b>EDSON PACKAGING MACHINERY LTD (In Canada: Alex E Jones &amp; Associates)</b>				
PPZ 6400	Cases, trays, bundles	Up to 4 SKUs at up to 40 cpm	Automatic	Easy to program controller accommodates new products/patterns quickly and can be web supported
<b>EUROIPIANTI SPA (In Canada: Charles Downer &amp; Co. Ltd.)</b>				
SK 304	Up to 40 kg		Material handling, palletizing, depalletizing	Up to 40 cycles/min High payload, modular and small footprint. Offers complete end of line solutions.
SK 504	Up to 120 kg	"		Up to 15 cycles/min
SK 603	Up to 180 kg	"		Up to 15 cycles/min
SK 604	Up to 400 kg payload	"		Up to 15 cycles/min
SK Gantry	Up to 4000 kg	"	Customized	High payload & modular. Offers complete end of line solutions.
<b>FANUC ROBOTICS CANADA LTD (In Canada: Fanuc Robotique du Canada, Ltee)</b>				
M-420i Series	Cases up to 50 kg payload	Up to 4200 mm/sec	Palletizing	2 or 4 degrees of free dom, +/- 0.05 mm repeatability, large work envelope (1855 mm) line
M-410iB Series	Up to 450 kg payload	Fastest cycle times & highest payloads in robot class	Case, Bag & Bundle palletizing, Layer Handling, Depalletizing	4 degrees of freedom, +/- 0.5 mm repeatability, large work envelope (3143 mm) ability to service multiple
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
Blueprint Automation	Various		Robotic	Based on product/pattern Fanuc & ABB
<b>GENERAL CONVEYOR CO LTD</b>				
Series 40	Cases	Up to 20 cpm	Fully Automatic	Portable design
Series 4000	Varies		Fully Automatic	
<b>INTELLIGRATED INDUSTRIES CANADA LIMITED</b>				
Alvey GS100 series	Cartons, totes, trays, bundles, shrinkwrapped		Semi & fully automatic	Up to 30 cases per minute (CPM) Low cost, suited for large multi-line projects and smaller operations interested in converting from manual to automatic palletizing.
Alvey 680 series	Cartons, totes, trays, bundles, shrinkwrapped		Automatic	Up to five layers per minute Floor-level infeed, heavy duty construction, flexible layout
Alvey 780 series	Cartons, totes, trays, bundles, shrinkwrapped		Automatic	More than 50 CPM High-level infeed, close centre rollers and bi-parting apron, touch
Alvey 750 hybrid	Specially designed for small and lightweight packaging		Conventional and robotic hybrid	Up to 50 CPM High-level infeed, optional in-hoist stretchwrapper/bander
Alvey 800 series	Cartons, totes, trays, bundles, shrinkwrapped		Automatic	Up to 75 CPM Flexible layout, touch screen HMI, Flexible pattern utility

**PALLETIZING**

MAKER & MODEL	PRODUCTS HANDLED	SPEED	OPERATION	FEATURES
Alvey 900 series	Cartons, totes, trays, bundles, shrinkwrapped	Automatic		More than 200 CPM High speeds, low maintenance, gently product handling, in-line pattern utility
Alvey 950 hybrid	Small packages and complex patterns, reduced secondary packaging	Conventional and robotic hybrid		More than 125 CPM High speeds, product handling and load pattern flexibility; single or dual layer accumulation zones
Alvey Robotic palletizing	Cartons, totes, trays, bundles, shrinkwrapped pails, bags, etc.	Robotic		More than 100 CPM Mixed pallet load creation; standard and custom end-of-arm tooling; flexible to handle quick product changeovers and packaging changes
Alvey Robotic depalletizing	Cartons, totes, trays, bundles, shrinkwrapped pails, bags, etc.	Robotic		Case, row or layer handling; standard and custom end-of-arm tooling; flexibility for quick product changeovers and packaging changes
Alvey 450 semi-automatic depalletizing		Semi-automatic		Touch-screen interface, ergonomic and speed advantages over manual palletizing
<b>KRONESMACHINERY CR LTD</b>				
Modulpal	Cartons, trays, boxes	340 cycles per hour to 600 cycles per hour		Gentle container handling - multi SKU capabilities
Robogrip	Cartons, trays, boxes, bags	4 axis 700 cycles/hour		Packing and Palletizing
Robogrip	Cartons, trays, boxes, bags	6 axis 450 cycles per hour		Packing and Palletizing
Robobox	Cartons, trays, boxes	Inquire		Fully Automatic Grouping Station Can handle mixed SKU Pallets-suitable for distribution operation
Pressant Palletizer Series	Cartons, trays, boxes	Inquire		Low level palletizer
Pressant Depalletizer Series	cartons, trays, boxes	inquire		Container sweep-off depalletiser Available as high or low level operation
Pal Bloc	Cartons, trays, boxes	Inquire		High level palletizer Sensitive products
<b>KUKA ROBOTICS CANADA LTD</b>				
KR 40 PA	Cases, trays, bundles, buckets, bags	Contact KUKA Robotics for a free cycle time analysis with your product		Case packing, palletizing, depalletizing 40 kg payload, 2091mm reach, carbon composite construction for hi-speed
KR Quantec PA	Cases, trays, bundles, pails, buckets, bags	Palletizing, depalletizing		Contact KUKA Robotics for a free cycle time analysis with your product 120 - 240 kg payload, 3200 mm reach
KR 300 PA	Cases, trays, bundles, pails, buckets, bags	Palletizing, depalletizing		Contact KUKA Robotics for a free cycle time analysis with your product 300 kg payload, 3200 mm reach
KR 470 PA	Cases, trays, bundles, pails, buckets, bags	Palletizing, depalletizing		Contact KUKA Robotics for a free cycle time analysis with your product 470 kg payload, 3200 mm reach
KR 700 PA	Cases, trays, bundles, pails, buckets, bags	Palletizing, depalletizing		Contact KUKA Robotics for a free cycle time analysis with your product 700 kg payload, 3300 mm reach
<b>LANGEN PACKAGING INC</b>				
LRC-700	Cases, Bags, Cartons	30 PPM		Multiple Infeeds and Pallet Build Stations Small Configuration, Quick Changeover, Pallet Dispenser, Slip Sheet
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>				
ABC/Massman	Wide variety	Mid-High		Semi & Fully Automatic
<b>MASSMAN AUTOMATION DESIGNS LLC</b>				
Robotic, Gantry	Cases			
<b>MECANO INDUSTRIES</b>				
Mecano LCP20	Boxes, crates, pails, bags	robotic		Up to 40 cases/minute Automatic
<b>NORDSON CANADA LIMITED (In Canada: Timeco-Martel, Calgary, AB; Edmonton, AB; Winnipeg, MB)</b>				
Nordson Pallet Stabilization Systems	Cartons, cases, boxes, bags	Gear-to-line		Nordson Classic melters, AltaBlue TT melters or ProBlue melters capacities 4 to 15 liters, Electric or pneumatic guns Hot or/and cold adhesive can be applied in Bead, Swirl or Dot patterns
<b>OMA PACKAGING (In Canada: Newmapak Ltd)</b>				
OMA Packaging	Trays, boxes and bundles	up to 25 packs per minute		
<b>PLAN AUTOMATION INC</b>				
Premier Tech Systems	Flexible & rigid			Robotic
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>				
Meurer	All	50		Inline Automatic Automatic
<b>PREMIER TECH CHRONOS</b>				
Premier Tech Chronos AR-240 High-Speed Dual Robot Palletizer	Bags, bales, boxes, cases	Up to 40 BPM		Fully automated Unlimited layout configurations - Reduced footprint - Fastest bag palletizer on the market
AR-200 Robotic Palletizing Cell	Bags, bales, boxes, cases, bag-in-box, bundles, cans, totes, trays, drums, pails, etc.	Up to 28 BPM		Fully automated Unlimited layout configurations - various handling tools - reduced footprint
AP-400 High Level Automatic Bag Palletizer	Bags and bales	Up to 35 BPM (5-bag pattern)		Fully automated High level infeed - multiple layout configurations - various turning devices - All electric design
<b>SCHNEIDER PACKAGING EQUIPMENT CO INC (In Canada: Garth Dangerfield)</b>				
Multi-line palletizing cell	Cases, bags, cartons			Combine 2 or more lines into one location
Single-line palletizing cell	Cases, bags, cartson	40ppm		Plug & play solution
iP series	Cases, bags	40+cpm		Auto & Semi-Auto Small foot print high speed
Stack & wrap palletizing cell	Cases, bags, cartons			Unit load is stretchwrapped as it is palletized in smae loc.
<b>VALCO MELTON</b>				
Pallet Stabilization Systems, Hot Melt or Cold Glue	Cartons, boxes, bags	Automatic		
<b>YASKAWA AMERICA INC (In Canada: Yaskawa Canada, Inc., Mississauga, ON)</b>				
MPL80 Robot	Wide Variety	Palletizing	High	5-axis, 80kg, 3,291 mm reach
MPL100 Robot	Wide Variety	Palletizing	High	4-axis, 3,024 mm reach, 100 kg
MPL160 Robot	Wide Variety	Palletizing	Low-med	4-axis, 3,024 mm reach, 160 kg
MPL300 Robot	Wide Variety	Palletizing	Low-med	4-axis, 3,024 mm reach, 300 kg
MPL500 Robot	Wide Variety	Palletizing	Low-med	4-axis, 3,024 mm reach, 500 kg
MPL800 Robot	Wide Variety	Palletizing	Low-med	4-axis, 800 kg, 3,024 mm reach
<b>YASKAWA MOTOMAN (In Canada: Yaskawa Canada, Inc. Mississauga, ON)</b>				
MPL80, MPL100, MPL160, MPL500, MPL800	4 axis		High	Up to 800 kg payload Up to 3,159 mm reach

**PLACING**

MAKER & MODEL	ITEMS INSERTED	PACKAGE SIZE RANGE	SPEED	FEATURES
<b>BOSCH PACKAGING TECHNOLOGY INC (In Canada: Charles Downer &amp; Co. Ltd., Richmond Hill, ON)</b>				
Bosch Delta Robot - Delfi Feed Placer	Confection, nutraceutical bars, bakery, pharmaceutical products, personal care items, frozen & foods	Wide range	To 400ppm	Picks, orients and places randomly incoming products picks, orients and places randomly
Bosch Delta Robot - Paloma Feed Placer	same as above	Wide range	To 80ppm/robot arm	Groups products into layers, advance product tracking for precise placement
<b>BRADMAN LAKE INC</b>				
DRT Robotic Pick and Place	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	Wide range	High speed	Robotic Top Loader
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
Blueprint Automation - Delta Robots	Pouches, Cartons, Devices	Various		Product Dependent Delta Robot, Vision Driven
<b>MASSMAN AUTOMATION DESIGNS LLC</b>				
Massman PSA	Products, Literature			
<b>MECANO INDUSTRIES</b>				
Mecano PP-120	Customer specific	Up to 10kg	Up to 200 parts/minute	automatic
<b>MULTIVAC CANADA</b>				

# SORTSTAR™

The SortStar™ bottle unscrambler is designed to simplify change-over and is capable of handling a wide range of plastic bottles.

Using centrifugal disks and adjustable guides, most bottles can run on this machine without the use of change parts. All mechanical adjustments are equipped with numerical counters for easy repeatable change-over.

Discover Capmatic products at [www.capmatic.com](http://www.capmatic.com)



PLACING				
MAKER & MODEL	ITEMS INSERTED	PACKAGE SIZE RANGE	SPEED	FEATURES
H050 - H130	Food, Medical, Consumer Industrial	Multiple	Up to 75 cpm	
<b>PLAN AUTOMATION INC</b>				
Streamfeeder	Assorted	2" x 24"	Up to 500 ppm	
Graphic Packaging - Denesters, Orienters and Placers	Trays, Lids, Hang tags	Variable	Up to 600ppm	Servo Motion Control
<b>PROPACK PROCESSING &amp; PACKAGING SYSTEMS INC</b>				
Propack LB, LJ	Bars, Snack Cakes, Wrapped Items	195mm x 25mm x 5mm to 225 mm x 135 mm x 50 mm	to 900/mm	ABB Flexipicker A-B Controls
<b>SCHNEIDER PACKAGING EQUIPMENT CO INC (In Canada: Garth Dangerfield)</b>				
RCP series	Cartons, bundles	Up to 5 kg	300 ppm	25-50 transfers/min.
<b>YASKAWA AMERICA INC (In Canada: Yaskawa Canada, Inc., Mississauga, ON)</b>				
MPP3S Robot	Wide variety	x	150 cpm	3 kg, 800 mm reach, 300 z-stroke, IP67-rated body, NSF-H1 certified food-grade lubricants
MPP3H Robot	Wide variety	x	150 cpm	1300 mm reach, 600 mm z-stroke, IP67-rated body, NSF-H1 certified food-grade lubricants
MPK2-5 Robot	Wide variety	x	117 cpm	5 DOF, 1551 mm reach, IP67-rated body, NSF-H1 certified food-grade lubricants
MPK2 Robot	Wide variety	x	117 cpm	5 DOF, 1625 mm reach, IP67-rated body, NSF-H1 certified food-grade lubricants
MYS-Series SCARA Robots	Wide variety	x	High	450-1000 mm reach, 180-420 mm z-stroke, 6-20 kg
<b>YASKAWA MOTOMAN (In Canada: Yaskawa Canada, Inc. Mississauga, ON)</b>				
MPP3		3 kg payload	High	Zero-footprint

SCANNING				
MAKER & MODEL	ITEMS SCANNED	SCANNING METHOD	SPEED	FEATURES
<b>DIAGRAPH (In Quebec: VisuSCAN Inc.)</b>				
Motorola				
<b>HARLUND INDUSTRIES LTD</b>				
Microscan	1&20 barcodes	various		
RJS	1D	various		
Cognex	Barcodes, Labels	Vision		
<b>KRONSMACHINERY CR LTD</b>				
Checkmat	Bottles labels, fill levels, data codes, barcodes	Empty and full bottle inspection - multiple scanning methods to suit application	16 types up to 72,000 cph	
Linatronic 735	Returnable glass and PET bottles	Empty bottle inspection - multiple scanning methods to suit application	30,000 - 65,000 bph	
Linatronic 774-FBI	Returnable glass and PET bottles	Empty bottle inspection - multiple scanning methods to suit application	60,000 bph	
Modulcheck	Returnable glass and PET bottles	Multiple scanning methods to suit application	40,000 containers/hour	
Cantronic Can Inspection	Aluminum beverage and food cans	Empty can inspection - multiple scanning methods to suit application	120,000 cans/h	
RotoCheck	Filled returnable glass and PET bottles	Full bottle inspection - multiple scanning methods to suit application	72,000 cph	Inspects filled bottles for glass particles and other contaminants
Smartronic 714	Bottles can and other containers	Empty bottle inspection - multiple scanning methods to suit application	Inquire	
<b>VISUSCAN INC</b>				
Motorola	Any	Any		

SHRINKWRAPPING				
MAKER & MODEL	PRODUCTS	SIZE	SPEED	FEATURES
<b>AESUS PACKAGING SYSTEMS INC (In Canada: Ross Packaging, Delta, BC)</b>				
Hybrid	Patented Heat Tunnel	48" and 72" long	up to 400 bpm	Unique combination of both infra red heat and onboard steam
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Hartness - GlobalShrink	Variety, Bottles, Cans, Trays	Varies dependent on product	60, 80 and 100 cycles per minute	Can run Film only, Pad/Film, Tray/Pad/Film
<b>AMERICAN PACKAGING MACHINERY APM (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
APM - MIC Series	Wrapper to follow Intermittent Tray Packer	18-60" Seal Bar	10-35 pks/min	Intermittent Motion In-Line
APM - MIF Series	Trayed Products	18-100" Seal Bar	to 45 trays/min	Intermittent Motion In-Line with pacing gate assembly
APM - ML Series	Plates, Plastic Tableware	18-40" Seal Bar	to 200 pks/min	Overlap Bottom Seal (side seal & trim units available)

SHRINKWRAPPING				
MAKER & MODEL	PRODUCTS	SIZE	SPEED	FEATURES
APM - MRA Series	Straight or Tapered Wall unsupported products-bottles, cans, ice cream tubs...	18-50" Seal Bar	to 30 pks/min	Right Angled Feed
APM - MS Series	CDs, DVDs, Bowls and clam shell trays	18-40" Seal Bar	to 180 pks/min	Side Seal and Trim
APM - MCMS Series	Cartoned products	10-40" Seal Bar	to 150 pks/min	Cont. Motion Dual Side Seal
<b>BRADMAN LAKE INC</b>				
TL5W fully automatic	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	Wide range		A fully automatic combined tray wraparound loader and shrink wrapper.
RTSW / ITSW / SRW Shrink Wrapper - fully automatic	Suitable for: Bakery and Biscuit, Chocolate and Confectionery, Frozen Foods, Dry Foods, Consumer and Healthcare Products.	Wide range		A range of automatic, single and twin reel machines with integral collators and / or feed conveyors.
<b>CAM PACKAGING SYSTEMS</b>				
CAM; 412	Single of multiple item, loose or contained pieces	4"x5" up to 12"x16"; additional sizes upon request	25 ppm	Pre made shrink bags Polyethylene and polyolefin (Shrink) Semi Auto and Automatic
<b>CELPLAST PACKAGING SYSTEMS</b>				
New-Ma	All products		to 60ppm	Top & bottom seal
BVM			to 120 ppm	Auto changeover
<b>CHARLES DOWNER &amp; CO LTD</b>				
Bosch PAUD	HFSS shrink systems	various	up to 300 min	Flexible
Zambelli	Shrink, tray shrink systems	various	up to 100 min	Flexible
<b>CIMA PAK CORPORATION</b>				
Minipack Media BA			To 15 pm	Semi automatic
SmiPack S560NA One Step			To 15 pm	Semi automatic
SmiPack S560 One Step			To 5 pm	Manual
<b>COUSINEAU PACKAGING INC</b>				
Damark/Bundling, MSK - Pallet Shrink Equipment				
<b>DAMARK SHRINK PACKAGING MACHINERY (A Product of Plexpack)</b>				
Damark L-Bar Sealers	SMC series	Any product size or shape, including oversized items, such as doors, windows and furniture	24/7 performance	http://www.plexpack.com/products/categories/l-bar-sealers-damark/
Damark Tray Wrappers and Bundlers	B Series	Any product size or shape	24/7 performance	http://www.plexpack.com/products/categories/tray-wrappers-bundlers-damark/
Damark Full Enclosure Shrink Wrapper	Instawrap	Up to 100 lbs. on the continuous motion machine, 300 lbs.	24/7 performance	http://www.plexpack.com/products/damark-a-full-enclosure-shrink-wrapper-instawrap-damark/
Damark Combo Systems	MP series	14 x 18"	24/7 performance	http://www.plexpack.com/products/categories/damark-combination-systems/
Damark SM Series Sealers		16x20 to 40x120 in.	4 to 8 pm	Semi automatic with magnetic hold down
Damark SMC Series Sealers		As above	12 to 24 pm	Semi Automatic with magnetic hold down and auto product discharge
<b>EASTEY ENTERPRISES</b>				
VS1620	Variety	Seal Size 16" x 20"	Dependent on Products	- Designed to seal most polyolefin, polyethylene, and PVC shrink films.
Mini Combo Unit	Variety	Seal Sizes 13" x 19" or 13" x 20"	Dependent on Products	- Available with hot wire (TM1319T) or hot knife (TM1320TK) seal systems - Hot knife seal systems available with mushroom (standard), pancake, arrow, or poly inserts
Performance Series L-Sealers (Model EM1622T, EM1622TK, EM1636T, EM1636TK)	Variety	Seal Size of 16" x22" or 16" x 36"	Dependent on Products	- Seal head casting equipped with head return cylinder - Adjustable dwell time for better seal control - Analog temperature control adjustable for a variety of films - Adjustable product tray accommodates wide variety of product sizes
Professional Series L-Sealers (EM2016T(K), EM2028T(K), EM2040T(K), EM2050T(K), EM2070TK, EM2080TK, EM20100TK, EM3040T(K), EM3050T(K), EM3070TK, EM3080TK, EM30100TK, EM4040T(K), EM4050T(K), EM4070TK, EM4080TK, EM40100TK, EM5050TK, EM5070TK, EM5080TK, EM50100TK)	Variety	Side seal size from 20" - 50"; front seal size from 16" - 100"	Dependent on Products	- All-welded main frame from 1/2" cold rolled steel - Available with hot wire or hot knife seal systems - Hot knife seal systems available with mushroom (standard), pancake, arrow, or poly inserts - Takeaway conveyor can be raised or lowered to center-seal product
Performance Series Shrink Tunnel (ET1608-30, ET1610-36, ET1610-48, ET2010-36)	Variety	16" to 20" wide, 8" to 10" high	Dependent on Products	- Designed to seal most polyolefin, polyethylene, and PVC shrink films - Live roller or stainless steel mesh belt conveyors; optional "dead" roller conveyor for polyethylene - Adjustable digital solid state temperature control for a variety of films
Professional Series Shrink Tunnel (ET2008, ET2012, ET2016, ET2020, ET2408, ET2412, ET2416, ET2420, ET3608, ET3612, ET3616, ET3620, ET4808, ET4812, ET4816, ET4820, ET5608, ET5612, ET5616, ET5620, ET7008, ET7012, ET7016, ET7020)	Variety	20" to 70" wide, 4" to 20" high	Dependent on Products	- Live roller, "dead" roller, or stainless steel mesh belt conveyor standard; optional plastic belt conveyor - Sealed bearings (not bushings) on drive and idler shafts - Adjustable solid state temperature control for a variety of films - Four-directional air flow provides positive shrinking
Choo-Choo Tunnels (ET1610-36CC, ET2014CC)	Shrink Sleeved Products	16" - 40" wide, 10" - 25" high	Variable	- Custom conveyor with shrink band carriers - Solid state temperature control adjustable for a variety of films - 10 carriers and 5 product holders come standard - Four directional air flow to ensure positive shrinking of all products - Fold down control panel for easy servicing and maintenance
<b>EDL PACKAGING ENGINEERS INC (In Canada: Flexi-Pack Machinery Solutions Inc., Woodbridge, ON)</b>				
EDL Packaging Engineers, Inc.	Various makes and models available with film width ranging from 16" - 144"			
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
EDL Packaging Engineers In Line and Side Feed	Containers, Cans, Pouches & Specialty Products Tray and Unsupported	Product and Pattern Dependent	Product and Pattern Dependent	Custom Engineered Systems, 2 year warranty
<b>FORMOST FUJI CORPORATION (In Canada: Abbey Packaging Equipment Ltd.)</b>				
Alpha VI Wrappers	Varies	Varies	Varies	
<b>HARPAK ULMA PACKAGING LLC</b>				
SC200	Food/non-food		85 cycles/min	Side seal
<b>HARTNESS INTERNATIONAL (In Canada: Alex E. Jones &amp; Assoc.)</b>				
GlobalShrink	4500 - various	60, 80+		Trayform, wrap, shrink, no tool changeover. S.S.
<b>ILAPAK INC</b>				
Carrera 2000 h/ft/s Trim Seal	Food & non-food	30x12.5x6 in.	subject to shrink film	Fast change over, rotary motion, robust construction
<b>LANTECH INC (In Canada: Gerrard-Ovaltrapping)</b>				
SW-1000 Intermittent Motion	Random products lengths	Min. 3" Lx1" W x 1/8" H Max: infinite x 15"W x 8"H	to 40 ppm to 90 fpm	PLC/touchscreen; hot knife cross seal width
SW-2000 Continuous motion Belled Infeed, Side Seal	as above	as above (Max 6"H) 500x350x120	to 60ppm to 65fpm	Continuous motion, trim winder, 6" to 24"
<b>M &amp; M PACKAGING ASSOCIATES LTD</b>				
Bosch	Wide Variety	Large Range	Mid-High	
<b>MULTIVAC CANADA</b>				
Multivac R155, 255, 555	Food	Various	Varies	
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>				
Model SW-18	Cartons, bottles	variable	50-300	Fully automatic includes cartoncollation
<b>PFM PACKAGING MACHINERY CORP (In Canada: Unisource Canada Inc., (ON, MB, BC, AB, QC); Celplast (ON); Packpro, Maritech, Terma Industrial)</b>				
PFM Hurricane EW	as above	24x12.5x5" H	180ppm	as above
PFM Falcon	as above	24x14x6" H	400ppm	as above
<b>PLAN AUTOMATION INC</b>				
Douglas Machine Contour	Rigid	4" x 20"	Up to 150 ppm	
Shanklin	Rigid	4" x 24"	Up to 100 ppm	
<b>PPI TECHNOLOGIES GROUP (In Canada: Charles Downer &amp; Co., Ltd, Richmond Hill, ON; Aesus Packaging Systems, Pointe Claire, QC)</b>				
Meurer	All	24"x24"	50	Include stretch
<b>REISER CANADA CO</b>				
Supervac GesmbH	All Food	Various	Up to 40/min	
<b>RENCO LLC (In Canada: Alex E. Jones; PMR Packaging Inc)</b>				



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JANUARY/FEBRUARY 2016



**SHRINKWRAPPING**

MAKER & MODEL	PRODUCTS	SIZE	SPEED	FEATURES
Models 201S, 301S & 501S	Various	1x1 to 18x52 in.	20-50 pm	Manual or fully automatic
<b>SAMUEL PACKAGING GROUP</b> 2215L	L-Bar Sealer			Offers the best fit for operations for space and budget are a concern. Ideal for virtually any industry including print, food & beverage and pharmaceutical.
2219L	L-Bar Sealer			Capable of wrapping up to 50 pieces per minute when combined with the proper infeed. Swing arm control panel for easy operator access.
9140VS	L-Bar Sealer			Welded heavy duty powder-painted construction. Large product size capacity (9140VS 8"W max, 14"H max). Film capacity: 54" SW or 27" CF
E1407SS	Vertical Wrap System			Laser-cut, heavy steel-frame construction with durable powder-coat finish. Heavy-duty end seal carriage construction allows higher speeds and virtually eliminates maintenance. Maximum film/belt speed 140 FPM
2814SS	Vertical Wrap System			Two axis servo box motion cross seal. Inverter duty AC motors, sensorless vector AC drive. Allen Bradley servo motors & drives. Speed modulation to follow upstream production.
<b>SATURN PACKAGING EQUIPMENT</b>				
Econo	Various	12, 18, 24 & 36 in.	Up to 6 pm	Portable L-bar shrink system
Solution	Various	12 in.W x 16 in.L	Up to 9 pm	Portable L sealer & shrink tunnel
Value	Various	13 in.W x 17 in.L	Up to 14 pm	Combo unit sealer & tunnel in one frame
Apha	Various	16 in.W x 20 in.L	Up to 20 pm	Semi-automatic combo unit sealer & tunnel in one frame; digital & electronic controls; SS version available
Starpack	Various	16 in.W x 20 in.L 500x530x120	Up to 22 pm	Versatile, unitized, advanced semi-automatic shrink wrap system; digital & electronic controls
Beta	Various	22 in.W x 30 in.L to 50 in.W x 120 in.L	Up to 20 pm	Semi-automatic L bar sealer & shrink tunnels, digital & electronic controls; custom versions available
Omega	Various	18 in.W x 20 in.L	Up to 25 pm	Fully automatic L-bar sealer

**SHRINKWRAPPING**

MAKER & MODEL	PRODUCTS	SIZE	SPEED	FEATURES
Sigma	Various	32in and up	15pcp/mins	Semi or fully automatic line or right angle sleeve wrapper
Delta	Various	Up to 110 in. L	Variable	Heavy duty fully digital controls sealer tunnel and custom design
Conveyor	Various	Custom	Variable	Roller conveyor S steel conveyor Gravity conveyor Motorized conveyor 90 degrees conveyor
OSS Side Seal	Various	Various	Up to 45ppm	
<b>SEALED AIR CANADA CO CIE CRYOVAC FOOD DIVISION</b>				
Form-Fill-Seal			To 120 ppm	
Automatic L-Bar Sealers			To 40 ppm	
Intermittent Motion Sideseal Machines			To 35 ppm	
Continuous Motion Sideseal Machines			To 80 ppm	
<b>SHANKLIN SEALED AIR CORPORATION</b>				
S Series Automatic L-Sealers		Various	Various	
A Series Automatic L-Sealers		Various	Various	
Triumph, Form-Fill Sealers		Various	Various	
F-Series, Form-Fill Sealers		Various	Various	
HS Series, Form-Fill Sealers		Various	Various	
<b>SIPROMAC II INC</b>				
Sipromac ST-2000	Shrink-Tunnel	20 in. conveyor	Adjustable	Hot-water shower, electrical, steam (direct or indirect), 200-240
Sipromac ST-2000	Shrink-Tunnel	33 in.	Adjustable	Hot-water shower, electrical, steam (direct or indirect), 200-240
Sipromac DT-10	Dip Tank	24x18in.	Adjustable	Hot-water tank, Electrical
<b>SMIPACK (In Canada: CIMA-Pak Corporation)</b>				
SmiPack S560NA One Step			To 15 pm	Semi Automatic
SmiPack S560 One Step			To 5 pm	Manual
<b>VC999 CANADA LTD</b>				
Xtrovac Flow Wrappers	Food, Cosmetic, Pharma	All range	Up to 400 PPM	Shrink Film
VC999 Shrink tanks	All shrink material	Model85.47 / Model ST2	Adjustable according to machine spec	All insulated, dryer optional, all stainless steel

**SKIN PACKAGING**

MAKER AND MODEL	PRODUCTS HANDLED	MATERIAL COMBINATIONS	PACKAGE SIZE MIN. TO MAX.	SPEED
<b>COUSINEAU PACKAGING INC</b>				
Malpack and Sigma stretch wrap films				
<b>HARPAK ULMA PACKAGING LLC</b>				

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**June 7, 2016**  
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Presented by:  
**CANADIAN PACKAGING** and **ANNEX BUSINESS MEDIA**

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Ross Tray Sealer

Vemag Chub Packaging

Fabbri Stretch Wrapper

Repak Form/Fill/Seal

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## SKIN PACKAGING

MAKER AND MODEL	PRODUCTS HANDLED	MATERIAL COMBINATIONS	PACKAGE SIZE MIN. TO MAX.	SPEED
Mandini Trave	Food-meat, meals	CPET, PP, PE	50 mm/1400x500	up to 100/min
ULMA	Food-meat	Surlyn, semi-rigid	50x500 to 120x150	7f cycles/min
<b>MULTIVAC CANADA</b>				
R165/R175	Food	Mono barrier materials	Up to 420x270mm	Up to 8 cpm
R265/R275	As above	As above	Up to 560x400mm	Up to 12 cpm
R565/R575	As above	As above	Up to 620x700mm	Up to 14 cpm
<b>REISER CANADA CO</b>				
Ross Inpack	Various Food	Various Films		
<b>SEALPAC (In Canada: Heat Sealing Packaging Supplies &amp; Equipment, Concord ON)</b>				
A4	Fresh meat & poultry, processed meat, seafood, salads, fruit, vegetables, ready meals, snacks, dairy	Various	Varies on tool	Based on materials
A5	As above	Various	Varies on tool	Based on materials
A6	As above	Various	Varies on tool	Based on materials
A7	As above	Various	Varies on tool	Based on materials
A8	As above	Various	Varies on tool	Based on materials
A10	As above	Various	Varies on tool	Based on materials
<b>VC999 CANADA LTD</b>				
RS i-Skin Line	60 to 1000 Micron	PNC/PE/Evar Top Skin	Max 135 mm deep	12- cycle/min
Xtravac TS Line	Pre-formed trays	Top Skin	Max 100 mm deep	

## STRAPPING

MAKER AND MODEL	TYPE OF STRAP	OPERATION	SPEED	FEATURES
<b>BANDING SYSTEMS</b>				
BA24/15 - Arch Size: 240m x 150mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA32/20 - Arch Size: 320m x 200mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA40/25 - Arch Size: 400m x 250mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA48/30 - Arch Size: 480m x 300mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA64/35 - Arch Size: 640m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA80/35 - Arch Size: 800m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA96/35 - Arch Size: 960m x 350mm	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
Custom Arch Size Systems	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
<b>COUSINEAU PACKAGING INC</b>				
lipack, Strapack, Saturn		bundle strap and pallet strap		
<b>EAM MOSCA CANADA LTD (In Canada: Attache Tout Inc., 17825 Rue Lapointe, Mirabel, QC J7J 1P3)</b>				
ROMP-4	Polypropylene	Automatic	50 straps/minute	DC Controls, auto strap feed: side
TRP-4	Polypropylene	Automatic	Over 40 bundles/minute	Low cost, high speed automation
<b>GO PACKAGING</b>				
Mini-Max	Polypropylene	Semi-automatic		Small, all-purpose unit. Easily moved
415	As above	Automatic	High speed	Self-threading. Wide choice of yoke sizes
Merlin	As above	Automatic	As above	Power conveyor or conveyor. Photo-electric strap placement
Merlin "E"	As above	Automatic	As above	Sealing mechanism on bottom

## STRAPPING

MAKER AND MODEL	TYPE OF STRAP	OPERATION	SPEED	FEATURES
OB-360	Paper banding or clear poly film banding	Semi-automatic		Bands packages as small as 1.2 in. (30mm) wide or as large as 15 in. (380mm) wide
TP800	All	Chops strapping for disposal	46m/min.	Simple automatic operation
<b>GO PACKAGING Polypropylene Strap</b>				
<b>PLAN AUTOMATION INC</b>				
Banding Systems	Plastic or Paper Band	Semi or Fully Automatic	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
<b>SAMUEL PACKAGING GROUP</b>				
AQ-7	Polypropylene	Automatic	30 straps/min	220 / 3 / 60
AQ-7M	As above	As above	23 straps/min	Stainless steel body and head, side seal
JK-5	As above	As above	27 straps/min	Arch strapping machine. Automatic release.
JK-5000	As above	As above	37 straps/min	high speed arch strapping machine
RQ-7000	As above	As above	60 bundles/min	high speed arch strapping machine
RQ-8	As above	As above	40 straps/min	Self-threading and correcting. Also available as side seal
RQ-8Y	As above	As above	35 straps/min	Side seal machine
SBC-932	Polyester	As above		Light top compression, ideal for can and bottle industry
RQ-8A	Polypropylene	As above	40 straps/min	Conveyor belt top
RQ-8LD/LS	As above	As above	33 straps/min	low table, bottom seal strapping machine
<b>WULFTEC M J MAILLIS</b>				
Fully Automatic Strapping System Power Master	Polyester and polypropylene	Automatic		- tailored to the corrugated and printing
Fully Automatic Strapping System Vario Master 9460	PET, PP	Automatic		- Full pallet loads, individual boxes or long tubing
Fully Automatic Strapping System Vario Master 9440	PET, PP	Automatic		- Side Seal

## STRETCH FILM BUNDLING

MAKER & MODEL	CASE SIZE RANGE	SPEED	OPERATION	FEATURES
<b>BANDING SYSTEMS</b>				
BA24/15 - Arch Size: 240m x 150mm	Up to 240m x 150mm	Up to 30 parts per minute	Semi or Fully Automatic	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
BA32/20 - Arch Size: 320m x 200mm	Up to 320m x 200mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
BA40/25 - Arch Size: 400m x 250mm	Up to 400m x 250mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
BA48/30 - Arch Size: 480m x 300mm	Up to 480m x 300mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
BA64/35 - Arch Size: 640m x 350mm	Up to 640m x 350mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
BA80/35 - Arch Size: 800m x 350mm	Up to 800m x 350mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
BA96/35 - Arch Size: 960m x 350mm	Up to 960m x 350mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
Custom Arch Size Systems	Up to 960mm x 700mm	Up to 30 parts per minute	Semi or Fully Automatic	As above
<b>COUSINEAU PACKAGING INC</b>				
Highlight Industries				
<b>COUSINS PACKAGING INC (In Canada: Cousineau Packaging Inc.)</b>				
8100 Series	10"00 - 80"00	Manual to fully automatic	6-8 bundles per minute	Minimal material useage and energy consumption
<b>EASTEY ENTERPRISES</b>				
EB30M Manual Bundler	30"w x 16"h	Manual	Variable	- Designed to seal most polyolefin, polyethylene, and PVC shrink films - 30" wide hot knife seal system - Upper powered film unwind for smooth feed of film - 16" product pass through height
Automatic Bundling (EB35A, EB50A, EB70A)	35", 50" and 70" wide x 22" high	Automatic	Variable	- 35", 50", and 70" wide hot knife seal system - Upper and lower powered film unwind for smooth feed of film
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
EDL Packaging Engineers Double Tight Wrap	Various Sizes	Product and Pattern Dependent	Dual Wrap	Specialty Machine for Pet Food, Rice, Beans, etc.
<b>LANTECH INC (In Canada: Gerrard-Ovalstrapping)</b>				
Lan-Ringer				Wraps products that won't fit on a turntable, require banding, compression or extra packing for shipment
<b>PHOENIX STRETCHWRAPPERS</b>				
Full line of semi and fully automatic stretch wrappers				
<b>PLAN AUTOMATION INC</b>				
Banding Systems	Up to 960mm x 700mm	Up to 30 parts per minute	Semi or Fully Automatic	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)

MAKER AND MODEL	PRODUCTS	SIZE	SPEED	FEATURES
<b>3M CANADA INC</b>				
ST-1000	Use with "A" & "B" loads less than 3" overhang	Up to 8.75' 4,400 lb capacity	20-30 pallets/hr	Secures under pallet corners, over top corners for less vibration and stack resonance.
<b>BEST PACKAGING SYSTEMS</b>				
Wulftec	Semi Automatic	Variable	Variable	Made in Canada
Wulftec	Automatic	Variable	Variable	Made in Canada
Wulftec	Fully Automatic	Custom	Variable	
<b>BEUMER CORPORATION</b>				
Beumer Stretch Hood i			150+ pallets/hr.	Full sided protection, no heat necessary, reduced film consumption
Beumer Stretch Hood m				
<b>CARTIER PACKAGING</b>				
Robopac				
<b>COUSINEAU PACKAGING INC</b>				
Cousins Packaging Inc.	Pallet wrap machines, turntable and rotary tower			A Arm fully automatic
<b>COUSINS PACKAGING INC (In Canada: Cousineau Packaging Inc.)</b>				
PUP 550	Low profile	50 x 50 x 80" 3000 lb. capacity	Manual / semi automatic	Use for stretch film or stretch netting
1100 Series	High end, low profile	50 x 50 x 84"H 4000 - 5000 lb capacity	Semi-automatic	Heavy duty system conventional tensioner for use w/stretch film or stretch netting
2100 Series	Low profile High profile	50 x 50 x 84"H 4000 - 5000 lb capacity	Semi automatic up to 35 loads/hr	Many custom options available
3100 Series	Low profile High profile	60 x 60 x 84"H Up to 6000 lb capacity	Semi automatic Up to 40 loads/hr.	Many custom options available Built-in load cell scale available
4100 Series	Semi automatic Fully automatic Rotary tower	50 x 50 x 90" Unlimited weight Up to 60 loads/hr.	Operator controlled. Operatorless with/without conveyor	Simple maintenance. Many custom options available
5100 Series	Fully automatic turntable	50x 50 x 84" 5000 lb capacity	Operatorless with no conveyor Up to 40 loads/hr	Fully auto operation w/film clamp, cut and wipe down device
6100 Series	Fully automatic, conveyerized, turntable design	50 x 50 x 84" 4000 - 6000 lb capacity	Operatorless with conveyor package Up to 65 loads/hr	Heavy duty construction Safety rail
7100 Series	Fully automatic Rotary tower	50 x 50 x 84" H Weight determined by conveyor	Operatorless with conveyor package Up to 95 loads/hr	Heavy duty, hi-speed Safety fence. Various options available
8100 Series	Horizontal/orbital, manual to fully auto.	10"OD to 80"OD	Up to 6-8 bundles per minute	Custom options available End capper Pass thru conveyor
LX 1000	Low profile	60 x 60 x 84" H 5000 lbs capacity	Semi automatic	Film carriage totally enclosed in stainless steel tower safety threading system, strain gauge film compensation
<b>HARPAK ULMA PACKAGING LLC</b>				
ULMA				
Galaxy	Fresh food	High performance		manual or auto
Super Chik	Fresh food	High performance	60 packs/min	auto size detection
<b>ITW MULLER</b>				
2101		38"Lx48"Wx80"H	15-20 loads/hr	High performance variable speed with soft-start/soft stop to wrap any type of load quickly and gently SG2000 carriage 20"
2201		50"Lx50"Wx84"H	20-30 loads/hr	SG2000 carriage 20"
2501		48"Lx48"Wx92"H	25-35 loads/hr	Wall mounted
2502		48"Lx48"Wx92"H	25-35 loads/hr	Free standing

## STRETCHWRAPPING

MAKER AND MODEL	PRODUCTS	SIZE	SPEED	FEATURES
<b>3M CANADA INC</b>				
ST-1000	Use with "A" & "B" loads less than 3" overhang	Up to 8.75' 4,400 lb capacity	20-30 pallets/hr	Secures under pallet corners, over top corners for less vibration and stack resonance.
<b>BEST PACKAGING SYSTEMS</b>				
Wulftec	Semi Automatic	Variable	Variable	Made in Canada
Wulftec	Automatic	Variable	Variable	Made in Canada
Wulftec	Fully Automatic	Custom	Variable	
<b>BEUMER CORPORATION</b>				
Beumer Stretch Hood i			150+ pallets/hr.	Full sided protection, no heat necessary, reduced film consumption
Beumer Stretch Hood m				
<b>CARTIER PACKAGING</b>				
Robopac				
<b>COUSINEAU PACKAGING INC</b>				
Cousins Packaging Inc.	Pallet wrap machines, turntable and rotary tower			A Arm fully automatic
<b>COUSINS PACKAGING INC (In Canada: Cousineau Packaging Inc.)</b>				
PUP 550	Low profile	50 x 50 x 80" 3000 lb. capacity	Manual / semi automatic	Use for stretch film or stretch netting
1100 Series	High end, low profile	50 x 50 x 84"H 4000 - 5000 lb capacity	Semi-automatic	Heavy duty system conventional tensioner for use w/stretch film or stretch netting
2100 Series	Low profile High profile	50 x 50 x 84"H 4000 - 5000 lb capacity	Semi automatic up to 35 loads/hr	Many custom options available
3100 Series	Low profile High profile	60 x 60 x 84"H Up to 6000 lb capacity	Semi automatic Up to 40 loads/hr.	Many custom options available Built-in load cell scale available
4100 Series	Semi automatic Fully automatic Rotary tower	50 x 50 x 90" Unlimited weight Up to 60 loads/hr.	Operator controlled. Operatorless with/without conveyor	Simple maintenance. Many custom options available
5100 Series	Fully automatic turntable	50x 50 x 84" 5000 lb capacity	Operatorless with no conveyor Up to 40 loads/hr	Fully auto operation w/film clamp, cut and wipe down device
6100 Series	Fully automatic, conveyerized, turntable design	50 x 50 x 84" 4000 - 6000 lb capacity	Operatorless with conveyor package Up to 65 loads/hr	Heavy duty construction Safety rail
7100 Series	Fully automatic Rotary tower	50 x 50 x 84" H Weight determined by conveyor	Operatorless with conveyor package Up to 95 loads/hr	Heavy duty, hi-speed Safety fence. Various options available
8100 Series	Horizontal/orbital, manual to fully auto.	10"OD to 80"OD	Up to 6-8 bundles per minute	Custom options available End capper Pass thru conveyor
LX 1000	Low profile	60 x 60 x 84" H 5000 lbs capacity	Semi automatic	Film carriage totally enclosed in stainless steel tower safety threading system, strain gauge film compensation
<b>HARPAK ULMA PACKAGING LLC</b>				
ULMA				
Galaxy	Fresh food	High performance		manual or auto
Super Chik	Fresh food	High performance	60 packs/min	auto size detection
<b>ITW MULLER</b>				
2101		38"Lx48"Wx80"H	15-20 loads/hr	High performance variable speed with soft-start/soft stop to wrap any type of load quickly and gently SG2000 carriage 20"
2201		50"Lx50"Wx84"H	20-30 loads/hr	SG2000 carriage 20"
2501		48"Lx48"Wx92"H	25-35 loads/hr	Wall mounted
2502		48"Lx48"Wx92"H	25-35 loads/hr	Free standing



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**STRETCHWRAPPING**

MAKER AND MODEL	PRODUCTS	SIZE	SPEED	FEATURES
205			30-35 loads/hr	SG2000 powered prestretch carriage 20" Safety system to stop rotary arm
405			40-45 loads/hr	High speed wrapping or load with optional top platen, sheet dispenser
202			40-50 loads/hr	Up to 16 rpm, Octo-thread powered prestretch carriage.
<b>LANTECH INC (In Canada: Gerrard-Ovalstrapping)</b>				
Q-250	Majority of pallet loads	73.5" x 80" H x 3500lbs	Up to 25lph	Roller Stretch, 60% pre-stretch, E-Z Thread Roll Carriage. Variable (mech) wrapping force, 3 year unlimited cycles warranty
Q-300	As above	73.5"x80"Hx4000lbs	Up to 25-35 lph	Power Roller Stretch, 200% pre stretch, E-Z Thread Roll Carriage, Variable (electrical) wrapping force, Intelli-Sensor
Q-400	As above	73.5"x80"Hx5000lbs	Up to 30-40lph	Power Roller Stretch, 250% pre-stretch, E-Z Thread Roll Carriage, Variable (electrical) wrapping force, Intelli-Sensor
Q-300XT	As above	72"x80"Hx4000lbs	Up to 30-40lph	Power Roller-Stretch Plus, 200% pre-stretch, E-Z Thread Roll Carriage, Variable (electrical) wrapping force, Intelli-Sensor

**PHOENIX STRETCHWRAPPERS**  
Full line of semi and fully automatic stretch wrappers

Phoenix Stretch Wrappers Multiple Models	all types of products	Multiple Fully automatic and semi automatic	15 rpm to 45 rpm up to 120 pallets per hour	many custom film saving features
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**PLAN AUTOMATION INC**

Orion	Semi-Automatic and Fully Automatic	Mixed	Up to 120 loads per hour	
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**PREMIER TECH CHRONOS**

Premier Tech Chronos LW-300 Rotary Arm Stretch Wrapper	Full-pallet loads of bags, bales, boxes, cases, bundles, etc.	Min. 32" X 40" X 18"H Max 45" X 58" X 104"H	Up to 95 loads/hour	-Ring bearing rotary arm with direct drive helical bevel gear motor - 0-400% pre-stretch - Unlimited load weight capacity - Four built-in wrapping modes - Noiseless running
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WULFTEC WCA -150	Full-pallet loads of bags, bales, boxes, cases, bundles	Min. 36" X 36" X 10" H Max 48" X 48" X 80" H	Up to 60 loads/hour	-Heavy-duty turntable with ringgear bearing drive - Close pitch roller conveyors - Standard low wrapping film clamp - Forward/reverse conveying system
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LH-400 Stretch Hooder	Full-pallet loads of bags, bales, boxes, cases, bundles, etc.	Min. 32" X 40" X 18" H Max 56" X 58" X 104" H	Up to 110 loads/hour	-Entirely designed, engineered, manufactured and supported in North America - UV, dust and water tight weather protection enabling outdoor storage of pallet loads - Lower film consumption compared to similar technologies
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**REISER CANADA CO**

Fabbri	Various Foods		up to 62 pkgs/minute	Handles wide range of tray sizes with no change overs
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**ROBOPAC SA (In Canada: Cartier Packaging, Saint-Césaire, QC)**

Robot S6	Self propelled Robot	Product to be wrapped: Min. dim. LxW: 800x800mm Max useful height: 2200mm Min load weight: 250kg	Over 250 pallets wrapped per battery charge	idel wheel - Automatic film cutting device - Guiding wheel Intergrated Battery Charger New control panel
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Rotoplat	Turntable Wrapping machine	Max LxW: 2765x1755mm	Table rotation speed control: 4/12 rpm	Unique Safety Features - Wide choice of film Spool carriage
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Technoplat	Automatic Turntable wrapping machine	Max LxW: 73.62"x108"	Turntable Speed: 4/15 rpm	Unique Safety Features clamp, Cutting and Sealing Unit - It can record up to 4 different programs
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Orbit 12	Horizontal Stretch Wrapping Machines	Max LxW: 2190x815mm H: 2730mm	Max rotation Speed: 58 rpm	Newly designed touch screen control panel - It can record up to 8 different programs.
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Compacta 1200A	Horizontal Stretch Wrapping Machines	Max: LxW: 3377x2263 mm H: 2188mm	Max rotation: 58 rpm	The cutting and clamping system allows total automatic operation of the wrapping process.
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Rotowrap and CS or CW	Rotating Arm (CS and CW-Automatic model)	Surface Max: 170" x 64" Diameter: 3200	Arm rotation speed: 4/12 rpm	Ideal to wrap unstable products - superior quality machines Exists also in a fully automatic version
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**SAMUEL PACKAGING GROUP**

Defender LP	Pallet Loads	96"x60"	40 loads/hr	Lifetime warranty on pre-stretch rollers. Pre-stretch from 50 to 300% separate top and bottom wrap counters
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Defender HP	As above	102"x58"	As above	As above w/ raised turntable
Defender LP DT	As above	90"x52"	60 loads/hr	As above w/ dual turntable
Defender RT	As above	80"x50"	20-25 loads/hr	As above w/ rotary arm available in wall amount, beam mount, free-standing, or post-mount frame configurations.

Defender RTA	As above	80"x50"	20-25 loads/hr	As above. Wrap without leaving forklift. Available in conveyerized version.
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Defender TA	As above	80"x48"	35 loads/hr	As above w/ fully automatic operation. Rotary arm
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SLP 110	As above	90"x52"	30-40 loads/hr	Heavy duty turntable construction
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SRA 650	As above	80"x50"	40-60 loads/hr	As above w/ fully automatic operation. Conveyerized. Rotary arm
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STA 500	As above	80"x52"	40 loads/hr	As above w/ fully automatic operation. Conveyerized turntable
STA 550	As above	80"x50"	40-60 loads/hr	As above w/ fully automatic operation. Conveyerized turntable

**VERITIV CORPORATION**

**STRETCHWRAPPING**

MAKER AND MODEL	PRODUCTS	SIZE	SPEED	FEATURES
Veritiv Stretch Wrapper	Regular & Irregular Profile loads	up to 4,000 lb capacity	up to 40 loads/hr	Dual speed roll carriage: faster speed up for stabilizing loads and lower down speed for securing loads; built-in trouble-shooting self diagnostics; market leading PLC's powder coated paint

**WULFTEC M J MAILLIS**

Semi-Automatic Heavy Duty Low Profile Turntable Stretchwrappers SMART-Octagonal (SML-150) - Standard (SML-200) Standard with 2" extended base (SML-EXT) - Oversized 77	Pallets loaded with hand pallet-jacks or a combination of hand-jacks and forklift - Forklift portable from both ends - Up to 5,000 lb load weight		Up to 55 loads/hr	No thread Powered Pre-stretch carriage - AC variable frequency drives & motors - Allen Bradley PC- Positive turntable alignment controlled by proximity sensor
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Semi-Automatic Heavy Duty High Profile Turntable Stretchwrappers SMART - Octagonal (SMH-150) Split-base (SMH-SPL) - Standard (SMH-200) - Extra heavy-duty (SMH-HVY)	Pallets loaded with forklift - Forklift portable from both ends (excluding SMH-SPL) - Up to 8,000 lb load weight		Up to 55 loads/hr	No thread Powered Pre-stretch carriage - AC variable frequency drives & motors - Positive turntable alignment controlled by proximity sensor
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Semi-Automatic Heavy Duty Free Standing Rotary Arm Stretchwrappers: WRT-100, WRT-150, WRT-175, WRT-200	Heavy, oversize and unstable loads; wash down environment-unlimited load weight		Up to 50 Loads/hr	25 inch ring gear bearing drive/support
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Automated Heavy Duty Non Conveyerized Turntable Stretchwrappers: SMART, SMLPA-200, SMHPA-200, SMHPA-300	Regular and irregular shape pallet loads - Up to 8,000 lb load weight		Up to 55 loads/hr	Ring gear driven turntable (except SMLPA 200) - No thread Powered Pre-Stretch carriage - Automatic film clamping and pulsed controlled cutter
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Fully Automatic Heavy Duty Conveyerized Turntable Stretchwrapper: WCA-SMART	Regular and irregular shape pallet loads - Up to 6,000 lb load weight		Up to 70 loads/hr	Ring gear driven turntable - No-Thread Powered Pre-stretch carriage - Automatic film clamping and pulsed controlled clutter
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**TAMPER EVIDENT BANDING**

**MAKER & MODEL TYPE OF BANDING BAND WIDTH BAND LENGTH MACHINE SPEED FEATURES**

**AESUS PACKAGING SYSTEMS INC (In Canada: Ross Packaging, Delta, BC)**

Eco Shrink	Tamper Evident & Full Sleeve	0-180mm	Infinite	0-120bpm	Servo
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Premier Shrink	Fully body sleeving and Tamper evident neck banding.	Up to 220 mm layflat	Infinite length	Up to 450 bpm	All servo driven
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Delta Shrink	Fully body sleeving and Tamper evident neck banding.	Up to 280 mm layflat	Infinite length	up to 250 bpm	All servo driven
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**ARTYPAC AUTOMATION INC**

Artyband 35, 50 and 70	Neck banding, full body sleeving, labeling	1/2 to 12" 1 to 12 in.	Programmable	Up to 75 bpm	Self centering reel holder and tooling for easy set, quick changeover with no tools required
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**BANDING SYSTEMS**

BA24/15 - Arch Size: 240m x 150mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 240m x 150mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA32/20 - Arch Size: 320m x 200mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 320m x 200mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA40/25 - Arch Size: 400m x 250mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 400m x 250mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA48/30 - Arch Size: 480m x 300mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 480m x 300mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA64/35 - Arch Size: 640m x 350mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 640m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA80/35 - Arch Size: 800m x 350mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 800m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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BA96/35 - Arch Size: 960m x 350mm	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 960m x 350mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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Custom Arch Size Systems	Plastic or Paper Band	Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 960mm x 700mm	Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or 35micron or 0.035mm)
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**CAPMATIC LTD**

Capmatic Bandstar	Tamper Evident	Varies	Varies	75 bpm	Centering Mandres body sleeve
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**SleeveStar**

**FLEXI PACK MACHINERY SOLUTIONS INC**

PDC International Corporation	Tamper Evident	Varies by Model	Varies by Model	50 to over 1000	Top Rated Machine in Industry
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**TAMPER EVIDENT BANDING**

MAKER & MODEL	TYPE OF BANDING	BAND WIDTH	BAND LENGTH	MACHINE SPEED	FEATURES
<b>PLAN AUTOMATION INC</b> Axon EZ 100 Banding Systems					
	Sleeve or ring Plastic or Paper Band	Up to 8" 28mm to 120mm	Up to 12" Arch size up to 960mm x 700mm	Up to 300 ppm Up to 30 parts per minute	Patented and unique vacuum arch which enables our systems to run the thinnest film in the industry (down to 1.4mil or .35micron or 0.035mm)

QUADREL LABELING SYSTEMS (In Canada: Newmapak Ltd.)					
Quadrel Labeling Applicator SL-100 & SL-200		Full body or mid body/Wide range of tamper band	1" - 12"	Up to 200bpm	

**TEMPERATURE MEASUREMENT**

MAKER & MODEL	APPLICATION	OPERATIONAL FEATURES
<b>HARPAK ULMA PACKAGING LLC</b> ULMA TFS Line		
	All flexible/rigid foils	Intermittent - custom control options

**THERMOFORMING**

MAKER AND MODEL	MATERIALS HANDLED	PLATEN AREA	INTERMITTENT OR CONTINUOUS MOTION	FEATURES
<b>GO PACKAGING</b> Veripack				
	Various		Fully automatic systems	Stainless / Aluminum
<b>MULTIVAC CANADA</b> R105 R126 R145 R245 R535 R085				
	All heat-sealable materials	355X300 mm	Intermittent	Compact design
	As above	420X360 mm	As above	Compact design
	As above	420X400 mm	As above	Easy open/reclose
	As above	560X640 mm	As above	As above, zipper
	As above	650X1300 mm	As above	Modular Extensibility
	All heat-sealable materials	355X300 mm	Intermittent	Compact design
<b>SAMUEL PACKAGING GROUP</b> VKF 30				
	All		Most compact in range of thermoforming machines. Changeover of molds is very simple and fast. Mounted on wheels for easy positioning.	
VKF 50				
	All		Suitable for medium to large production cycles. Suitable for food sector and/or medical industry for packaging. Made from stainless steel and designed for easy cleaning.	
VKF 70 VKF 90				
	All		As above	
<b>SIPROMAC II INC</b> TM-150 TM-250 TM540				
	Flexible, semi-rigid, rigid	320/420/340/150mm	continuous	
	as above	420/560/300/150mm	continuous	
	as above	to 560/620/150mm	continuous	
<b>VC999 CANADA LTD</b> VC999 RS Line from 13 different size web width 285mm to 720 mm and up to 650mm index length. Flexible, rigid, Map and all filling, loading, scaling, chanelizing, coding, labeling, dating, thermo printing, and automatic line integration. Up to 16 cycles/min				
VC999 RS Line from 13 different size web width 285mm to 720 mm and up to 650mm index length. Flexible, rigid, Map and all filling, loading, scaling, chanelizing, coding, labeling, dating, thermo printing, and automatic line integration. Up to 16 cycles/min				
RS L-Series Flex & Rigid All continuous up to 18 PPM				
VC999 RS Line from 13 different size web width 285mm to 720 mm and up to 650mm index length. Flexible, rigid, Map and all filling, loading, scaling, chanelizing, coding, labeling, dating, thermo printing, and automatic line integration. Up to 16 cycles/min				
RS P Series Flex & Rigid As above				

**TRAY SEALING**

MAKER & MODEL	SPEED	TOOLING	FEATURES
<b>A L X METALL (In Canada: CiMa-Pak Corporation)</b> ALX System Manual Tray Sealer			
	up to 6	Countertop	1 mould, many tray styles. Instant mould change
<b>CIMA PAK CORPORATION</b> ALX Classic Manual Tray Sealer			
	up to 6 pm	Countertop	1 mould, many tray styles, instant mould change
Rotopack Rapida Plus Die Cut Tray Sealer			
	1 to 8 per cycle	Custom to suit tray	Can easily change out the mould for another
CiMa-Pak CiMicro			
	1 at a time	2171 and 2227 series trays	Start up system
<b>GO PACKAGING</b> Veripack			
	Various Fully Automatic		Full list of options available
<b>HARPAK ULMA PACKAGING LLC</b> Mondini Trave			
	up to 300' depending on size	up to 1400x500	Mechanical sealing
<b>HEAT &amp; CONTROL CANADA INC</b> Ishida QX-1100			
	To 15 cycles/minutes	2-14 impressions per tool	Seal almost any size or shape tray, map tray sealing, quick tooling changeover, no tools conveyor removal, self draining, single & twin lane model
Ishida QX-775			
	To 15 cycles/minutes	1-6 impressions per tool	Seals almost any size or shape tray, hand-loaded or automated operation, MAP tray sealing, quick tooling changeovers, user-friendly controls.
Ishida QX-300			
	To 8 cycles/minutes	1-6 impressions per tool	Semi-automatic, up to 6 trays/cycle, easy tool change, map tray sealing.
<b>MULTIVAC CANADA</b> T600 T700			
	up to 15 cycles /min up to 20 cycles /min		Energy efficient, compact inline traysealer Inline Traysealer, can be designed as multi-track
<b>PLAN AUTOMATION INC</b> Proseal America GTO			
	Up to 75 ppm	Multi-format	Servo control, 7 ton pressure
<b>REISER CANADA CO</b> Ross Inpack			
	Various		Superior Seals
<b>SAMUEL PACKAGING GROUP</b> Focus			
			Suitable for small to medium production cycles. Suitable for food sector for packaging. Equipped with an extremely fast mold change system.
Focus XL			
			Suitable for small to medium production cycles. Suitable for food sector for packaging. Longer loading area than Focus
Panorama			
			Suitable for small to medium production cycles. Suitable for food sector for packaging. Able to stroe up to 99 unique programs including a graphical interface for ease of use.
Vision			
			Suitable for small to medium production cycles. Suitable for food sector for packaging. Designed for plants that require frequent format changes.
Vision XL			
			As above
<b>VC999 CANADA LTD</b> xtravac TS Line			
	up to 50 trays/min	Square, Round, Oval	Skin pack option

**VACUUM PACKAGING**

MAKER AND MODEL	MATERIALS HANDLED	PLATEN AREA	INTERMITTENT OR CONTINUOUS MOTION	FEATURES
<b>ABBEY PACKAGING EQUIPMENT LTD</b> OPEM S.p.A. Vacuum Packaging Machines Colibri-Vacuum				
	Coffee, dry yeast, rice, corn flour, semolina, dried fruits	Up to 140 x 85 x 275mm	Intermittent Motion	Up to 24 bags/minute. Features: Brick pack with Folded fin
OPEM S.p.A. Vacuum Packaging Machines Arabella-Vacuum				
	Coffee, dry yeast, rice, corn flour, semolina, dried fruits	Up to 140 x 85 x 275mm	Intermittent Motion	Up to 35 bags/minute. Features: Brick pack with Folded fin
OPEM S.p.A. Vacuum Packaging Machines Arabella Twin-Vacuum				
	Coffee, dry yeast, rice, corn flour, semolina, dried fruits	Up to 140 x 85 x 275mm	Intermittent Motion	Up to 60 bags/minute. Features: Brick pack with Folded fin
<b>BIZERBA CANADA INC</b> Komet Vacuboy Komet Plusvac Series Komet SD Series				
		14.2x14.9x5.5"	Intermittent	Single chamber
		17x19.9x6.9" - 25x18.9x5.5	Intermittent	Single chamber
		2x1.55/2x1.79		Double chamber
<b>CIMA PAK CORPORATION</b> Henkovac T4				
	All vacuum & barrier bags	17 inch sealbar	Intermittent	Fine tuned programming
<b>FERRUM (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b> Ferrum FSN Ferrum FSH Ferrum FVB6				
	211-610 Round Cans	N/A	20-60 cpm Continuous Motion	200-768 Can Ht
	211-404 Round Cans	N/A	50-120 upm Continuous Motion	200-605 Can Ht
	200-401 Round Cans	N/A	180-600 upm Continuous Motion	200-412 Can Ht
<b>GENERAL PACKAGING EQUIPMENT CO (In Canada: B&amp;T Packaging; Fladgate Packaging Systems)</b> Vac5				
	As above	24 in.	Intermittent	Semi-automatic
<b>HARPAK ULMA PACKAGING LLC</b> TFS line				
	Flex/Rigid/Map		Intermittent	Hygenic stain steel
<b>MULTIVAC CANADA</b> R105 R126 R145 R245 R535				
	All heat-sealable materials	355x300mm	Intermittent	Compact design
	As above	420x360mm	As above	Compact design
	As above	420x400mm	As above	Easy open/reclose
	As above	560x640mm	As above	As above, zipper
	As above	650x1300 mm	As above	Modular Extensibility

**VACUUM PACKAGING**

MAKER AND MODEL	MATERIALS HANDLED	PLATEN AREA	INTERMITTENT OR CONTINUOUS MOTION	FEATURES
<b>REISER CANADA CO</b> Repak Supervac				
	All industry standards Laminate, film, shrink film, Aluminum	Various Various	Both Both	All stainless Steel
<b>SIPROMAC II INC</b> Sipromac 300 Sipromac 350 Sipromac 380 Sipromac 400 Sipromac 600A				
	All heat sealable bags	1x19x7"	Intermittent	Table top, Busch pump, air regulator, soft air, electrical cut-off, stand voltage
	As above	1x19x7"	As above	Table top, Busch pump as flush, stand, voltage, electric cut-off, soft air, air regulator
	As above	2x12.5x5"	As above	As above
	As above	2x19.5x9.5"	As above	Single chamber, Busch pump, air reg., soft air, elec. cut-off
	As above	4.25 ht 8" or 12"	Double chamber, floor model, Busch pump, gas flush, knife cut-off, soft air, air regulator	Double chamber, Busch pump, gas flush, air, regulator, soft air, electric cut-off, Bi-active sealing

SUPERVAC MASCHINENBAU GMBH (In Canada: Reiser (Canada) Ltd., Burlington, ON)				
Supervac various				
	Laminate, film, shrink film, aluminum	Various	Both	

VC999 CANADA LTD				
VC999 chamber machine table top model K2, K3, K4 manual, 2-3 cycle/Mn optional cart, MAP				
VC999 Industrial machine floor models K5, K12, double chambers 2-3 cycles/Mn MAP auto lid				
VC999 Industrial Automatic machine 07,K7,K8,K9 Belts machine, 2-3 Cycle/Mn trim removal system				
Xtravac Table top model 430 2-3 cycl/Mn optional cart				
Xtravac Industrial floor machine: 640,780,860A MAP, Auto Lid, cutting system				
Xtravac Chamber machines				
	All type	From 780mm seal up to 1400mm seal	Intermittent	All automatic line and stainless steel construction.

WRAPPING				
<b>ALEX E JONES &amp; ASSOCIATES LTD</b> Hayssen - RT Series Hayssen - Integra Series				
	Cheese, Pharma, Bakery	Laminate, Barrier Film	Varies dependent on product	Up to 200ppm
	HFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	Varies dependent on product	Up to 150ppm
Hayssen - Merlin Blue				
	HFFS - Snack, Confectionary, IQF, Bakery, Pharma, Grain, Powders	Laminate, Polyethylene	Varies dependent on product	Up to 200ppm
<b>BANDING SYSTEMS</b> BA24/15 - Arch Size: 240m x 150mm BA32/20 - Arch Size: 320m x 200mm BA40/25 - Arch Size: 400m x 250mm BA48/30 - Arch Size: 480m x 300mm BA64/35 - Arch Size: 640m x 350mm BA80/35 - Arch Size: 800m x 350mm BA96/35 - Arch Size: 960m x 350mm				
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 240m x 150mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 320m x 200mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 400m x 250mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 480m x 300mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 640m x 350mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 800m x 350mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 960m x 350mm	Up to 30 parts per minute
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Up to 960mm x 700mm	Up to 30 parts per minute
<b>BOSCH PACKAGING SYSTEMS AG SIGPACK (In Canada: Charles Downer Co. Ltd., Richmond Hill, ON)</b> Diefold Machine Roll Wrap Machine HCM HSR HCS with FCC Cross chain HSF inverted wrapper long dwell HSF inverted wrapper rotary				
	Chololate tablets	AL/OPP/Paper/Carton	Depending on project	180 tablets/min
	Biscuits	Paper/OPP/Carton	As above	100 cpm
	Confectionary bars, biscuits, pharma, individual or in groups	Heat seal or cold seal	Various	400-600ppm Up to 60m/min
	Same as above	Same as above	Various	Up to 1200ppm UP to 120m/min
	Biscuits and other on edge products slug wrapped	Same as above	Various	Up to 180ppm Up to 60m/min
	Baked tgoods, cut meats, cheese and pharma	Heat seal mono or laminates	Various	Up to 200ppm Up to 40 m/min
	Same as above	Same as above	Various	Up to 800ppm Up to 80m/min
<b>BRADMAN LAKE INC</b> S2000/S2000S/S3000 Roll Wrapper FT120 Flow wrapper FT130 BOE - Biscuit 'on edge' flow wrapper				
	Versatile machines with variants for round, square and rectangular products			up to 200 packs / minute
	High Speed servo-driven flow wrapper achieving			up to 1200 packs / minute.
	'on edge' flow wrapper			Derivative of the FT120 flow wrapper for biscuits on edge.
<b>CAM PACKAGING SYSTEMS</b> CAM; 412				
	Various; loose or single items; assorted kits	Pre made bags Polyethylene, polypropylene, laminated, shrink (Polyolefin), 3 sided seal, zipper, Doypack (stand up pouch)	4"x5" up to 12"x16"; additional sizes upon request	
<b>CHARLES DOWNER &amp; CO LTD</b> Bosch PAUD Bosch Sigpack Systems HRM				
	Horizontal form fill & seal systems	All	All	up to 600 min
	Fully automated flow wrapping/ secondary & casepacking systems	From tray overwrapping to high speed individual piece wrapping, Bosch has the solution to fit.	Various	up to 1,800 ppm on a single machine
<b>CIMA PAK CORPORATION</b> Mail Bag Polybagger Continua Plexi Polybagger				
		polyethylene	15x9.8x.75"	up to 25 pm
		polyethylene	16.5X11.8X1.25"	up to 50 pm
<b>FORMOST FUJI CORPORATION (In Canada: Abbey Packaging Equipment Ltd.)</b> Alpha VI Wrappers Formost Fuji Corp.				
	Varies	Varies	Varies	
	Alpha Series horizontal wrapping equipment			
<b>HARPAK ULMA PACKAGING LLC</b> ULMA - horizontal flow wrap				
	Atlanta	food/non-food	various	
	Atlanta hi-tech	"	"	
	Florida	"	"	
	Sienna	"	"	
	Baltic	"	"	
	FM 300	"	"	
	Artic	"	"	
	Pacific	"	"	
	FV 35	"	"	
	Flow Vac	"	"	
	Ocean	"	"	
<b>M &amp; M PACKAGING ASSOCIATES LTD</b> Bosch				
	Wide Variety	Cold & Heat Sealable	Wide Range	90-600 bpm
<b>MARDEN EDWARDS INC (In Canada: Linfo Systems Inc.)</b> EVO Series, B Series BX Series, LX Series, W Series				
	Various	BOPP, OPP	A=55-450mm	Individual up to 250 pm
		Cellophane, Heat Seal Paper	B=25-350mm C=17-175mm	Up to 750/min.
<b>PLAN AUTOMATION INC</b> Banding Systems				
	All types: Cartons, envelopes, graphic and printing, tubs, cans, thermoformed trays, etc.	Plastic or Paper Band	Up to 960mm x 700mm	Up to 30 parts per minute
<b>REISER CANADA CO</b> Gruppo Fabri 38 Gruppo Fabri 55Più				
	All Food	Stainless Steel, Aluminum and plastic	Standard - Min 90Lx110Wx10Hmm; Max 230Lx320Wx160Hmm	2 speeds, 21 and 31 packs/minute
	All Food	Stainless Steel, Aluminum and plastic	Standard - Min 120Lx120Wx10Hmm; Max 230Lx320Wx200Hmm	Variable from 35 to 55 packs/minute
<b>SATURN PACKAGING EQUIPMENT</b> Sigma semi-automatic				
	Various	Various	Up to 48in wide	to 22ppm
<b>VC999 CANADA LTD</b> Xtravac Flow Wrappers				
	Food, Pharma, etc.	Shrink, Regular	one to multiple pieces	up to 350 PPM
<b>WEIGHPACK SYSTEMS INC</b> Sleek Wrapper 40 Sleek Wrapper 65 Breezy Bagger				
		Roll stock	1" - 7.5"W, Up to 24"L	Up to 60 cpm
		Roll stock	1" - 9.5"W, Up to 24"L	Up to 200 cpm
		Roll Stock	2.5" - 10"W, Up to 36"L	



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**WRAPPING AUTOMATIC BUNDLING**

MAKER AND MODEL	BUNDLE SIZE RANGE	SPEED	BUNDLING MATERIALS	OPERATION (auto., semi-auto, etc.)
<b>ALEX E JONES &amp; ASSOCIATES LTD</b>				
Hartness - GlobalShrink	Varies dependent on product	60, 80 and 100 cycles per minute	Various	Fully Automatic - Film only, Pad/Film, Tray/Pad/Film
<b>AMERICAN PACKAGING MACHINERY APM (In Canada: Chisholm Machinery Sales Limited, Niagara Falls, ON)</b>				
AMP	Various	Model dependent rates	LDPE, Poly Olefin, ...	Semi Auto, Automatic - High Speed/High Quality
<b>BANDING SYSTEMS</b>				
BA24/15 - Arch Size: 240m x 150mm	Up to 240m x 150mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA32/20 - Arch Size: 320m x 200mm	Up to 320m x 200mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA40/25 - Arch Size: 400m x 250mm	Up to 400m x 250mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA48/30 - Arch Size: 480m x 300mm	Up to 480m x 300mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA64/35 - Arch Size: 640m x 350mm	Up to 640m x 350mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA80/35 - Arch Size: 800m x 350mm	Up to 800m x 350mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
BA96/35 - Arch Size: 960m x 350mm	Up to 960m x 350mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
Custom Arch Size Systems	Up to 960mm x 700mm	Up to 30 parts per minute	Plastic or Paper Band. Film width: 28, 40, 48, 60, 75, 100 and 120mm	Semi or Fully Automatic
<b>DAMARK SHRINK PACKAGING MACHINERY (A Product of Plexpack)</b>				
Damark B-24, B-34, B-44, B-54	24, 34, 44, 54 in.	10pm	Polyethylene	Semi-Automatic
<b>DELKOR SYSTEMS INC (In Canada: Abbey Packaging Equipment Ltd)</b>				
Delkor Spot-Pak	4" to 20" width	Up to 60 bundles/min	Pad & PE Shrink Film	Automatic
Delkor	4" to 20"	Up to 60 bundles/min	PE shrink-film	Automatic
<b>EDL PACKAGING ENGINEERS INC (In Canada: Flexi-Pack Machinery Solutions Inc., Woodbridge, ON)</b>				
EDL Packaging Engineers, Inc.		Up to 45 packs per minute (product dependent)		Bundlers range from semi-automatic to automatic.
<b>FLEXI PACK MACHINERY SOLUTIONS INC</b>				
EDL Packaging Engineers	Various Sizes	Dual Wrap	Product and Pattern Dependent	Specialty Machine for Pet Food, Rice, Beans, etc.
<b>OMEGA DESIGN CORP (In Canada: Packaging Equipment Solutions Inc.)</b>				
Models 18, 27, 36 & MMX	Variety of configurations	50-300	Low density polyethylene	Fully automatic
"Bandit" In Line Stretch Bander	Variety size & bundle configurations	300 cartons per minute	Stretch film	Automatic
<b>PLAN AUTOMATION INC</b>				
Banding Systems	Up to 960mm x 700mm	Up to 30 parts per minute	Plastic or Paper Band	Semi or Fully Automatic

**X-RAY INSPECTION**

MAKER & MODEL	SPEED	DETECTION REJECT SYSTEM	SIZE	SPECIAL FEATURES
<b>ABBAY PACKAGING EQUIPMENT LTD</b>				
Anritsu Industrial Solutions USA Inc. KD74 Series	5 to 90m/min	Various	Up to 520mm wide by 350mm high	Standard 0.4mm detector (0.2mm available), 210 watt Output, HD Imaging, auto set-up w/ variable power, Mass Measure, Missing Item, Tool-less Belt removal
Anritsu Industrial Solutions USA Inc. KD74 Series Curtainless	5 to 50m/min	Various	Up to 390mm wide by 50mm high	Curtainless design for light pouches and unpackaged products. 0.4mm detector, 210 watt Output, HD Imaging, auto set-up w/ variable power, IP66 Compliance, Air Conditioning
Anritsu Industrial Solutions USA Inc. KD74 Sanitary Design Series	5 to 90m/min	Various	Up to 390mm wide by 150mm high	Standard KD74 Series features with an IP69K Sanitary Rating, curtainless option for unpackaged product.
Anritsu Industrial Solutions USA Inc. KD7416 Dual X for Bone Fragments	5 to 60m/min	Various	390mm wide by 150mm high	Dual Energy for Superior Detection of low density bones in poultry/pork products. Ultra HD Resolution, 350w Output, Detect bones as small as 1mm to 2mm
Anritsu Industrial Solutions USA Inc. KD74-f Series	5 to 80m/min	Various	Up to 240mm wide by 120mm high	Standard 0.4mm detector, 100 watt Output, HD Imaging, auto set-up w/ variable power, Variable Speed, Tool-less belt removal, IP40 Compliance
Anritsu Industrial Solutions USA Inc. KD74-h Series	5 to 90m/min	Various	Up to 390mm wide by 220mm high	As above
Teledyne TapTone T4000X	Plastic, Metal, Glass	Leaks, Fill Level Vacuum, Pressure, Physical Defects, 300mcr	to 1,200cpm	1-4 primary inspection sensors; (Acoustic, Proximity, Z-Ray, Laser) CapVu, CodeVu, TotalView
<b>BIZERBA CANADA INC</b>				
Raycon Product Inspection Sys.	600ppm	Air-jet Pusher		Complies IFS & HACCP
<b>EAGLE PI (In Canada: Plan Automation, Orangeville, ON; Banding Systems, Orangeville, ON)</b>				
Pack 720 RMI	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 729mm in Width and 335mm in Height	Raw Meat Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. TRUE 3rd party rated AMI rated sanitary construction cleanable to a micro-biological level. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software.
Service and Part Support	24 Hour Turnaround Guarantee	Local Techs and Parts Available	All Eagle and Smiths Systems	PLAN Automation is the exclusive Canadian distributor responsible for sales, service and parts support of all Eagle PI and Smiths Detection systems located in Canada. We are the only service provider certified by Eagle PI for standard or warranty work.
Eagle Quadview	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 152mm in Width and 304mm in Height	Glass-in-Glass Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing, level fill, missing cap and defects. TRUE 100% base inspection with no blind spot. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, calcified bones, stones, glass.
Pack 720 FA	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 548mm in Width and 203mm in Height	Fat Analysis Raw Meat Product Inspection: Automatic product inspection and rejection for: CL Value (fat to lean ratio) contaminants, check-weighing and defects. TRUE 3rd party rated AMI rated sanitary construction cleanable to a micro-biological level. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software. Can inspect randomly in-feed cases from multiple lines simultaneously using a barcode reader.
Eagle Tall X and XS Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 152mm in Width and 267mm in Height	Product Inspection for the Beverage Industry: Automatic product inspection and rejection for: contaminants, check-weighing, level fill, missing cap and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, calcified bones, stones, glass. Eagle Trace Traceability Software.

**X-RAY INSPECTION**

MAKER & MODEL	SPEED	DETECTION REJECT SYSTEM	SIZE	SPECIAL FEATURES
Pack 320 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 323mm in Width and 152mm in Height	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, calcified bones, stones, glass.
Pack 400HC	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 400mm in Width and 152mm in Height	Raw Meat Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. TRUE 3rd party rated AMI rated sanitary construction cleanable to a micro-biological level. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software.
Pack 240 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 242mm in Width and 101mm in Height	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, calcified bones, stones, glass, etc. EagleTrace Traceability Software.
Pack 430 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 434mm in Width and 152mm in Height	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants.
Pack 1000 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 729mm in Width and 558mm in Height	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software. Can inspect randomly in-feed cases from multiple lines.
Pack 720 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 120mpm and 1500ppm	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants such as: plastic, rubber, bones, stones, glass, etc. EagleTrace Traceability Software. Can inspect randomly in-feed cases from multiple lines simultaneously using a barcode reader.
Pack 370 Bulk Pro	Up to 120mpm and 1500ppm	Multiple Lane Air Knife, Piston Arm, Drop Nose, Etc.	Up to 379mm in Width and 152mm in Height	Bulk Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants.
Pack 550 Pro	Up to 120mpm and 1500ppm	Air Knife, Piston, Arm, Drop Nose, Etc.	Up to 550mm in Width and 152mm in Height	Packaged Product Inspection: Automatic product inspection and rejection for: contaminants, check-weighing and defects. Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants.
Eagle Tall DV (Dual View)	Up to 120mpm and 1500ppm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 152mm in Width and 267mm in Height	Dual view product inspection for the Beverage Industry: Patented MDX Dual Energy X-ray for unparalleled detection of low-density contaminants: plastic, rubber, bones, stones, glass, etc.
RMI3 B/C	Up to 120 fpm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 540mm in Width and 180mm in Height	Raw meat product inspection (bulk or case) with Patented MDX technology for unparalleled detection of low-density contaminants: plastic, rubber, bones, stones, glass, metal, etc.
FA3 B/C	Up to 120 fpm	Air Knife, Piston Arm, Drop Nose, Etc.	Up to 540mm in Width and 180mm in Height	Raw meat or case Fat Analysis DEXA inspection for Chemical Lean (fat to lean ratio) measurement, protein/moisture calculation and contaminant detection.
<b>HEAT &amp; CONTROL CANADA INC</b>				
Ishida IX-GA	to 90m/min.	Full range, including metal, bone, glass, plastic, rubber	Various	GA image processing, fast set-up & warm-up, no routine calibration required
Ishida IX-EA	to 60m/min.	As above	Various	Economical entry-level sys. includes masking functions, user-friendly cont. no -tools conveyor removal
Ishida IX-GA-DK	to 50m/min.	As above	Various	Wash-down, no tools conveyor removal, user-friendly controls
Ishida IX-GA-65100	to 30m/min.	As above	Various	Large carton inspection, user-friendly controls, no tools conveyor removal
Ishida IX-G2 dual sensor	to 60 m/min.	Various	up to 150mm high; up to 400mm wide	Detects low-density objects in overlapping products
<b>LOMA SYSTEMS INC (In B.C. &amp; Alta.: Ross Packaging)</b>				
Loma X4 300/500/600 Pipeline/Rapid	To 250 fpm	Bone, glass, metal, plastic, rubber	To suit	Washdown, auto track technology, explore mode detection, domain mode and slope analysis, help menu, embedded Windows NT
X4; XR	Customer specs	Bone, glass, metal		Washdown, Windows RP
<b>METTLER TOLEDO INC (Shawpak System Limited, Oakville, ON)</b>				
Safeline Packaged Product X Ray	50-400 ft min	To suit Application		
Safeline Glass Container X Ray System	50-1000 ft min	To suit Application		Glass in Glass detection
Safeline Canned Food X Ray System	50-1000 ft min	To suit Application		
Safeline unpackaged inspection systems	50-250 ft min	To suit Application		
Safeline Bulk Product X Ray inspection systems	50-250 ft min	To suit Application		
Safeline Pipe X Ray System	20,000 lb/hr	To suit Application		
<b>MULTIVAC CANADA</b>				
Baseline 100	Up to 45/min	Rejection bin lockable, integrated in safety cover	1800L X 750W X 1776H in mm	Compact and cost effective entry-level model
<b>SESOTEC CANADA LTD</b>				
Raycon 300/1500	To 400ppm	Customized to suit		Auto product teach
Raycon 450/200	To 400ppm	Customized to suit		Multi-lane - Multi-zone Plastic Modular Belting
Raycon 330/100	To 400ppm	Customized to suit		High Speed Image Processing
Raycon 130/240	To 400ppm	Customized to suit		Designed fro upright containers
Raycon Bulk-Sorter	Application specific	Multi-zone air jet or flap		For loose bulk for products
<b>THERMO FISHER SCIENTIFIC (In Canada: Thermo Fisher Scientific, Burlington, ON)</b>				
Thermo Scientific™ Xpert™ C400/C600/C800 X-ray System	10-80m/min	Custom reject configurations, contaminant detection		Product verification of packaged products
Thermo Scientific™ Xpert™ B400/B600 X-ray System	10-80m/min	Custom reject configurations		Contaminant detection of bulk products
Thermo Scientific™ S400 X-ray System	5-80m/min	Custom reject configurations		Side shoot system for contaminant detection in glass jars, cans
Thermo Scientific™ POWERx C400/C600/C800 High-Performance X-ray System	m/min	Custom reject configurations, conlaminant detection		Product verification of packaged products
Thermo Scientific™ POWERx S230/S310 High-Performance X-ray System	m/min	Custom reject configurations		Side shoot system for contaminant detection in glass jars, cans dual beam available
Thermo Scientific™ NextGuard™ X-ray System	10-80m/min	Custom reject configurations, contaminant detection		Product verification and quality attribute inspection of packaged products



# ADDRESSES

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## A

**A.I.E.**  
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**A.L.X. METALL**  
See CiMa-Pak Corporation  
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**ABB INC.**  
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**ABB INC. - BUSINESS UNIT ROBOTICS**  
201 Westcreek Blvd Brampton ON L6T 5S6  
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Fax: 905-460-3019

**ABBEY PACKAGING EQUIPMENT LTD.**  
5030 South Service Rd Burlington ON L7L 5Y7  
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Fax: 905-681-3018

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**AESUS PACKAGING SYSTEMS, INC.**  
188 Oneida Ave Pointe-Claire QC H9R 1A8  
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**AHEARN & SOPER INC.**  
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**ALEX E. JONES & ASSOCIATES LTD.**  
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**ALL-FILL INC.**  
418 Creamery Way Exton PA 19341 USA  
Tel: 610-524-7350 Fax: 610-524-7346

**ALPHA CHECKWEIGHERS**  
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**AMERICAN PACKAGING MACHINERY (APM)**  
See Chisholm Machinery Solutions

**ANYPACK PACKAGING MACHINERY INC.**  
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**AROL USA**  
See Chisholm Machinery Solutions

**ARPAK LLC**  
9555 W Irving Park Rd Schiller Park IL 60176 USA  
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**ARTYPAC AUTOMATION INC.**  
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**ASCO NUMATICS**  
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**ASSOCIATED PACKAGING EQUIPMENT CORP.**  
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**ASTRO-MED INC.**  
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**ATS - TANNER BANDING SYSTEMS INC.**  
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**AUTO LABE**  
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Tel: 772-465-4441 Fax: 772-465-5177

**AUTOMATED PACKAGING SYSTEMS INC.**  
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## B

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**BALLUFF CANADA INC.**  
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Tel: 905-816-1494 Fax: 905-816-1411

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**BEAR LABEL MACHINES**  
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**BERTOLASO SPA**  
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**BIVANS CORPORATION**  
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**BIZERBA CANADA INC.**  
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## C

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975 Cottonwood Ave PO Box 20 Hartland WI 53029 USA  
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**ECHOTAPE**  
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**ECONOCORP INC.**  
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**EDSON PACKAGING MACHINERY LTD.**  
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**ELLIS PACKAGING**  
1830 Sandstone Manor Pickering ON L1W 3Y1  
Tel: 416-798-7715

**ELMAR WORLDWIDE**  
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**EMPRESS PACKAGING INC.**  
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**ERIEZ**  
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**ESPERA**  
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**EUROIMPIANTI SPA**  
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**EUROSTAR SRL**  
See Newmapak Ltd.

## F

**FANUC ROBOTICS CANADA, LTD.**  
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**FARM CREDIT CANADA**  
1800 Hamilton St Regina SK S4P 4L3  
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**FEED SYSTEMS, INC.**  
135 Industrial Blvd Riverhead NY 11901 USA  
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**FERRUM**  
See Chisholm Machinery Solutions

**FESTO INC.**  
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**FILAMATIC**  
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**FLEXI-PACK MACHINERY SOLUTIONS INC.**  
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Tel: 416-577-0722

**FLEXLINK SYSTEMS CANADA**  
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**FORMOST FUJI CORPORATION**  
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**FORTRESS TECHNOLOGY INC.**  
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Tel: 416-754-2898 Fax: 416-754-2976

**FRAZIER & SON**  
See Chisholm Machinery Solutions

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8000 North Dallas Parkway Frisco TX 75034 USA  
Tel: 214-618-1100

**GEBO CERMEX CANADA INC.**  
1045 Hwy 13 Laval QC H7W 4V3  
Tel: 450-973-3337 Fax: 450-973-3336

**GENERAL CONVEYOR CO. LTD.**  
155 Englehard Dr Aurora ON L4G 3V1  
Tel: 905-727-7922 Fax: 905-841-1056

**GENERAL PACKAGING EQUIPMENT CO.**  
6048 Westview Dr Houston TX 77055 USA  
Tel: 713-686-4331 Fax: 713-683-3967

**GO PACKAGING**  
735 Oval Crt Burlington ON L7L 6A9  
Tel: 905-632-3662 Fax: 905-639-2290

**GREYDON INC.**  
391 Greendale Rd York PA 17403 USA  
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## H

**HARLUND INDUSTRIES LTD.**  
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Tel: 450-922-3122 Fax: 450-922-3422

**TETRA PAK CANADA INC.**  
2902 777 Bay St Toronto ON



Leading German industrial automation technologies and services group **Bosch Rexroth AG** has announced the appointment of Rolf Najork as the new chairman of the company's executive board, effective Feb. 1, 2016.

**Intelligrated**, Cincinnati, Ohio-headquartered manufacturer and integrator of automated material handling and end-of-line packaging equipment, has appointed Jon Tutuncu as senior director of commercial operations and strategy.



Tutuncu

**Silgan White Cap**, Downers Grove, Ill.-headquartered supplier of metal, plastic and composite clos-



Miller

ures for food and beverage products, has appointed A.J. Miller as marketing manager.

**Sutherland Packaging**, Andover, N.J.-based supplier of corrugated point-of-purchase (POP) displays and packaging for retail locations and club stores, has appointed Jason Owens as regional sales manager for territory covering the region from the east coast of Massachusetts to Chicago.



Owens

Automated packaging systems integrator **Motion Controls Robotics** of Fremont, Ohio, has appointed James Skelding as specialist in roll-handling systems for the paper, film, foil and other converting industries.



Skelding

**Toray Plastics (America), Inc.**, North Kingstown, R.I.-based manufacturer of polypropylene, polyester, metalized and bio-based films for industrial and packaging applications, has appointed Mary Gervais as brand manager; Greg Clements as business manager of the Strategic Alliances Group of the company's **Torayfan** division; and Chris Glowacki as business manager of the **Lumirror** division.



Gervais



Clements



Glowacki

Globally operating package design services group **Anthem**, a wholly-owned subsidiary of Chicago-headquartered brand development firm **SGK Inc.**, has appointed Wendy Kufeldt as managing director for Anthem's Toronto office; Linda Bracanovich as managing director for Anthem's San Francisco office; and Ron Vandenberg, as executive creative director, working out of Anthem San Francisco. Part of the Pittsburgh, Pa.-headquartered conglomerate **Matthews International Corporation**, SGK has also appointed Eric Schultz as vice-president of business development for the Americas region.



Kufeldt



Bracanovich



Vandenberg

**Baldwin Americas**, St. Louis, Mo.-headquartered supplier of process automation equipment for the commercial and package printing industries, has appointed Karen Keller as executive recruiter, focusing on filling available senior and middle management positions.



Keller

Gurnee, Ill.-headquartered product coding and marking technologies supplier **Domino North America** has appointed John Malette as sector development manager, primarily responsible for the development of business opportunities in the flexible packaging market.

**Feb. 25**

*Brampton, Ont.:* **Canadian Food Safety Forum 2016**, by NSF-GFTC. At Pearson Convention Centre. To register, go to: [www.nsf.org](http://www.nsf.org)

**March 3-4**

*Denver, Co.:* **International Sleeve Label Conference & Exhibition 2016**, by AWA Alexander Watson Associates. To register, go to: [www.awa-bv.com/events](http://www.awa-bv.com/events)

**March 6-8**

*Boston, Ma.:* **Seafood Expo 2016**, seafood industry exhibition and conference by Diversified Communications. At Boston Convention & Exhibition Center. Contact Diversified Communications at (207) 842-5500; or go to: [www.seafoodexpo.com](http://www.seafoodexpo.com)

**March 16-17**

*Berlin, Germany:* **European Food & Beverage Plastic Packaging 2016**, conference by ACI. To register, go to: [www.wplgroup.com](http://www.wplgroup.com)

**April 12-14**

*Calgary:* **Growing Strong**, annual convention and trade show of the Canadian Produce Marketing Association (CPMA). At BMO Centre. Contact Selena Karkash of CPMA at (613) 226-4187, ext. 213; or go to: [www.convention.cpma.ca](http://www.convention.cpma.ca)

**April 13-14**

*Green Bay, Wis.:* **Converters Expo**, package converting technologies exhibition by Packaging Strategies. At Lambeau Field Atrium. To register, go to: [www.ConvertersExpo.com](http://www.ConvertersExpo.com)

**April 13-15**

*Montreal:* **SIAL Canada 2016**, North America's food innovation show by Comexposium Group. Concurrently with the **SET Canada 2016** food industry equipment and services exhibition. Both at Palais des congrès de Montreal. To register, go to: [www.sialcanada.com](http://www.sialcanada.com)

**April 19-20**

*Oakville, Ont.:* **CPES2016**, conference by the Canadian Printable Electronics Industry Association (CPEIA). At Sheridan College conference center. To register, go to: [www.cpes2016.ca](http://www.cpes2016.ca)

**MAY 1-3**

*Mississauga, Ont.:* **Bakery Showcase 2016**, baking industry trade show and conference by Baking Association of Canada. At The International Centre. To register, go to: [www.bakingassocanada.com](http://www.bakingassocanada.com)

**May 10-12**

*Rosemont, Ill.:* **Food Safety Summit**, conference and exhibition by BNP Media. At Donald E. Stephens Convention Center. To register, go to: [www.foodsafetysummit.com](http://www.foodsafetysummit.com)

**June 7**

*Mississauga, Ont.:* **Top 50 Packaging Ideas Expo**, tabletop exhibition and networking event by the *Canadian Packaging* magazine. At Mississauga Convention Centre. Contact Stephen Dean at (416) 510-5198; or go to: [www.top50packagingideas.com](http://www.top50packagingideas.com)

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- Two national Model BW-6 polypropylene di-fold wrappers suitable for wrapping fruitcake, cherry pound cake or boxes at up to 30 P.P.M.
- One Edson Model 1000 S/A Case Packer

Contact **Bob Faulds & Associates Limited** 416-236-3363.





# GIFT PACKAGING THAT KEEPS ON GIVING

Since having received and enjoyed a 12-piece **DAVIDs-TEA** brand tea sampler pack as a gift during the recent holidays, I have become fond of the packaging as much as of the tea itself. Marketed by the Montreal-based specialty tea boutique of the same name, the organic loose-leaf blends come in individual metal portion containers with clear see-through lids that allow consumers to see and compare the contents of all the different flavors. Each tin houses 12.5 grams of tea—enough to brew two to three cups—with the tins nestled inside a sturdy cardboard box attractively labeled with the elegant brand logo and contents information. As a tireless proponent of repurposing and reusing things whenever possible, I'm already thinking about what spices, lip balm or other products I'll be putting inside the small tins once I've completely plundered its contents.



The 200-ml standup pouches of the **Patak's Original Cooking Sauce for 2** from the U.K.-based **AB World Foods Ltd** are a blessing for home chefs looking to serve up some savory exotic Southwest Asian cuisine at home without working too hard to replicate the fairly intricate recipes often requiring a lot of fairly exotic ingredients. Featuring easy-open perforated tear strip on top and easy-to-follow recipes on the back



panel, these flexible pouches eliminate the need to use large-sized jars and inevitable dilemmas of what to do with the leftovers by offering perfectly measured portion control, enhanced with clear and highly legible labeling and the use of varying numbers of chilli graphics to denote the level of spiciness for each of the many available recipes, ranging from *Butter Chicken* to *Tandoori* and *Tikka Masala*.

Not just strictly for your grandmother's canned peaches any more, Mason jars have been making a comeback over the past year or so. A good case in point is the **Loblaws** private-label **From Our Chef's' Collection** brand of desserts that includes the irresistible *English Style Trifle*. Packaged in the wide-mouth, Canadian-made **Bernardin** Mason glass jar enclosed in a paperboard sleeve with plenty of cutout space to admire the lovely creamy creation inside. With no permanent proprietary product labeling on the jar itself, one can easily remove a few jars from the sleeves and bring them along to your next extended family dinner or a soiree with friends—letting everyone think you actually created this little bit of inspired dessert magic from scratch.



Anyone harboring fond childhood memories of peanutbutter on crackers will be delighted with the new **Nutella & Go! + Pretzels** from **Ferrero Canada Ltd.**, which offers a great new way to get a hearty **Nutella** fix anywhere, any time. Shaped to resemble the distinct-shaped jar of the famed sweet-

ened hazelnut cocoa spread, the 54-gram, semi-circular plastic container easily fits into just about any lunchbox, backpack or purse for on-the-go enjoyment, while its inner compartments keep the pretzel sticks separate from the spread until you're ready to dip them into the sticky-sweet concoction. A non-resealable inner foil lid underneath the cap is easily peeled with a large pull-tab to reveal the contents and have you all set up to enjoy.



A gift of packaging this past Christmas—namely the **Lug Cargo 5 piece** packing kit—has me looking forward to the next family road trip with great anticipation. The kit offers a variety of sizes to pack your clothing essentials—including one large, one small, and two medium zippered packing squares and one large packing drawstring tube for the shoes—with all squares outfitted with see-through mesh panels to help you remember where you packed your stuff, while allowing air to circulate around the contents. When not in use, all the squares easily roll up inside one medium-sized square to take up minimal storage space between trips, and the nested bags are protected with seemingly indestructible outer wrapping held together with **Velcro** in one neat, tidy, no-waste package.



*Shannon Kaupp is a licensed doctor of naturopathic medicine living and practicing in Toronto.*

Photos by Shannon Kaupp

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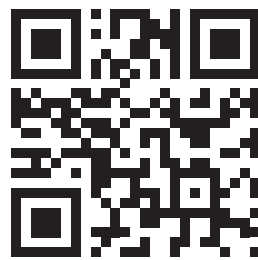




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