



packaging **innovation**
at work.



Pack Expo International 2012 Preview

Delkor Awarded Annual Governor's International Trade Award

Delkor Systems, Inc. was among 10 Minnesota companies honored for their success in exporting and international business. Gov. Mark Dayton recognized them as winners of the 27th annual Governor's International Trade Awards.



The awards were given out at MSP Exports, a conference sponsored by the Minneapolis/St. Paul Business Journal.

What the state said: "In the past two years, Delkor, which makes packaging machinery for food and consumer products, has made significant investments to develop markets in Canada, Mexico, Central America, parts of South America, Australia and New Zealand."

Delkor's international machinery shipments increased to 26% for 2011, and for the first quarter of 2012 they hit a record 50% of Delkor new machinery orders.

Booth # S-2347 • Stop by to see many *New!* Innovations for 2012

Delkor to Introduce Nine New Packaging Machines

According to Dale Andersen, President of Delkor, "we are introducing a record number of *NEW* packaging machines to the industry this October in Chicago. For the past couple of years, Delkor has focused its engineering efforts on designing a new generation of cartoning and case packing machinery that offer a much broader range of versatility and flexibility coupled with an ability to analyze and discharge defective products, pack patterns, cases or cartons without stopping the production line.

Throughout the Show, Delkor will be running two complete packaging lines to demonstrate a number of these "Smart" features. One line will be packaging a Greek yogurt and looking for defective containers, pack patterns or incomplete cases. Delkor's *NEW* Model 650 case packer has the ability to identify these defects at multiple points in the machine and then discharge the defect without any need to stop production.

The second operational line will be packaging Schiff Nutrition's Tiger Milk energy bar. This line includes Delkor's Trayfecta® carton former feeding Delkor's *NEW* Robotic Loading cell designed for 400 bars per minute followed by Delkor's *NEW* Capstone S2 1500 carton closer.



At Pack Expo 2012 the *NEW* Delkor Robotic Loader will be loading nutrition bars.

Important Smart features on this line include Delkor's recently patented Intelligent Positioning technology on the carton closer and the auto-clear feature on Delkor's Robotic loader. Intelligent Positioning electronically analyzes the precise position of each individual carton flap as it enters the carton closer and if out of alignment, it can make the precise correction at speeds up to 150 cartons per minute. No other carton closer in the world has this capability.

If it is innovation that you wish to see at Pack Expo 2012, then I encourage you to visit Delkor's exhibit at booth # **S-2347**.



Delkor is a proud member of PMMI.

Delkor's *NEW* Generation of Cartoning &

DELKOR FLC-60 **INTEGRATED FORMER/LOADER/CLOSER WITH LINEAR SERVO TRACKING**

Delkor's *NEW* FLC-60 was developed to provide complete control of carton forming, robotic loading and closing at speeds of up to 90 cartons per minute in a compact footprint. A key feature of the FLC-60 is the intelligent linear servo track which provides precision placement of cartons with +/- 0.002" (0.05 mm) accuracy. This precision coupled with flexibility permits the FLC-60 to efficiently form, load and close cartons that previously would have been too challenging for traditional cartoning lines. The flexibility also allows a variety of infeeds including flighted, collation, random, etc.



DELKOR ROBOTIC LOADER C1 1400

Designed for high speed carton top loading, the *NEW* Delkor Robotic Loader is both compact (6' x 6' footprint) and robust (6" x 6" stainless steel welded frame). Features include a hygienic design with an IP67 food grade robot, 1 to 2 minute change-over, easy access walk-in frame design with full length doors, and an Allen Bradley Panelview 700 with Delkor's machine monitoring system that tracks machine input, output and downtime.

This newest innovation from Delkor is a well-suited match to the latest generation of upstream equipment such as horizontal flow wrappers.



*At Pack Expo 2012 the **NEW** Delkor Robotic Loader will be loading nutrition bars.*

DELKOR TRAYFECTA® S3 1500XL

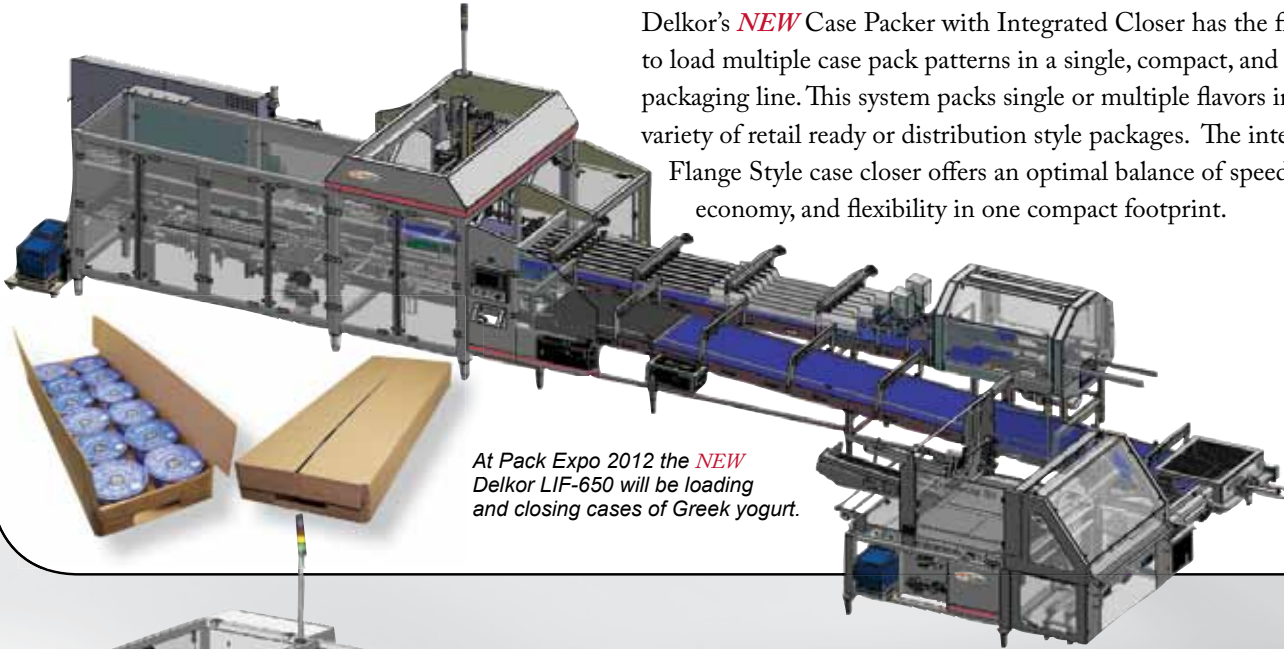
The *NEW* Trayfecta XL expands the range of forming both paperboard and corrugated cartons and cases. It offers a perfect fit for Retail Ready or Shelf Ready applications that require a variety of sizes and require use of the full range of paperboard and corrugated options. Size range handles up to 43" x 49" blanks. As with all Trayfecta formers, change-over is 3 to 5 minutes allowing for precise forming of cartons immediately upon completion of the change-over.



Case Packing Machinery

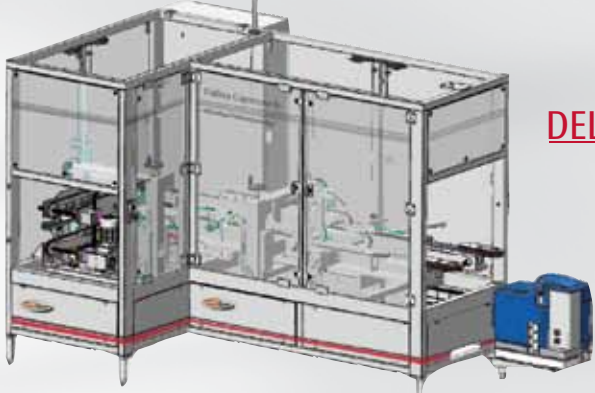
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McCormick Place
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Booth S-2347

DELKOR LIF 650 **CASE PACKER WITH INTEGRATED CASE CLOSER**



Delkor's **NEW** Case Packer with Integrated Closer has the flexibility to load multiple case pack patterns in a single, compact, and efficient packaging line. This system packs single or multiple flavors into a variety of retail ready or distribution style packages. The integrated Flange Style case closer offers an optimal balance of speed, economy, and flexibility in one compact footprint.

*At Pack Expo 2012 the **NEW** Delkor LIF-650 will be loading and closing cases of Greek yogurt.*



DELKOR CAPSTONE S2 1500 CARTON CLOSER

The **NEW** Delkor Capstone S2 1500 is servo driven and equipped with recently patented Intelligent Positioning technology. Intelligent Positioning electronically analyzes the precise position of each individual carton flap as it enters the carton closer and if out of alignment, it can make the precise correction at speeds up to 150 cartons per minute. No other carton closer in the world has this capability.

*At Pack Expo 2012 the **NEW** Delkor Capstone S2 1500 closer will be closing tri-seal cartons.*

DELKOR CAPSTONE L1 CARTON LIDDER

Designed to form a graphic paperboard lid around a corrugated base, this machine offers many Retail Ready package options. It incorporates a low cost corrugated base tray to offer carton support and is coupled with a graphic paperboard carton lid for added shelf appeal. The **NEW** Delkor Capstone L1 Lidder offers a compact footprint, robust stainless steel construction, tool-less 3 minute size changeover, and a single low level magazine for easy loading.



DELKOR FLEX LOADER SERIES

Delkor's **NEW** Flex Loader Model 500, 650 and 1000 case packers offer great flexibility on product size, shape, and various options such as multi-favors and sleeved product, of speeds up to 700 containers/minute. In addition to product flexibility, these designs can be changed over in 5 minutes to run a wide range of pack patterns and different shipper styles such as Retail Ready display trays.

Other important features include hygienic construction utilizing 304 series stainless steel, wash-down motors and gear boxes, NEMA 4X control cabinet and robust stainless steel frame with walk-in doors for easy access. Delkor's case packers are equipped to monitor product and case defects and discharge these defects from the machine without a need to stop production - thereby delivering superior uptime performance.



Delkor's Flex Loader 1000 series loads product up 700 containers per minute.



Delkor's Flex Loader series offer great flexibility on product size, shape, and various options such as multi-favors, sleeved product etc.

DELKOR SYSTEMS, INC. IS MOVING

Minnesota based Delkor is moving this fall to a new 114,000 sq. ft facility in St. Paul.

Delkor's new facility is designed to accommodate up to 250 employees and provide a state-of-the-art engineering and manufacturing capability.



Delkor System's New Facility at 4300 Round Lake Road West St. Paul, MN 55112

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