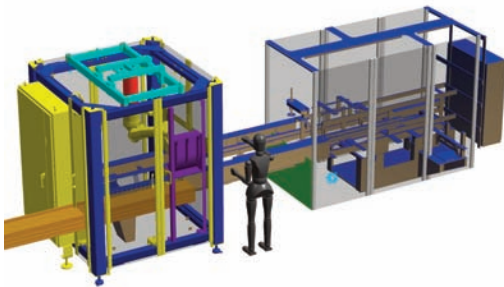


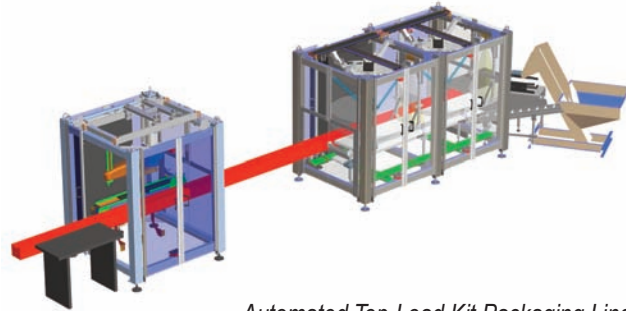
# SOLUTIONS IN ACTION

PACK EXPO 2008

**CYSTAR Jones**  
The Process & Packaging Group



*CMV Cartoner Integrated  
with the Flexi-Pro Robotic Picking Cell  
From R.A. Jones*



*Automated Top-Load Kit Packaging Line  
with the Flexi-Pro Robotic Picking Cell from R.A. Jones*

## Booth No. S-830

For nearly 100 years, **R.A. Jones & Co. Inc.** packaging machines have provided customers with speed, flexibility and return on investment for their manufacturing operation. Jones offers innovative solutions for the toughest packaging problems, accommodating nearly every application, packaging container and industry. At PACK EXPO 2008, Jones will be exhibiting its **Automated Top-Load Kit Packaging Line and the CMV Cartoner**, both integrated with the Flexi-Pro Robotic Picking Cell.

### Automated Top-Load Kit Packaging Line with the Flexi-Pro Robotic Picking Cell

The automated top-load kit packaging line will demonstrate a multilayer line featuring three Flexi-Pro Robotic Picking Cells. This configuration can produce a variety of packages that range from snack packs featuring multiple flavors of granola bars to pharmaceutical care kits filled with different types of medical products, this versatile application allows food, pharmaceutical, hair care, cosmetic and other companies to package several different products in a single kit.

To package these variety packs, a Flexi-Pro Robotic Picking Cell sorts, collates, orients and places two layers of products into a tray, and a second Flexi-Pro Robotic Picking Cell fed by a bulk feeder and using vision-guided conveyor tracking adds a third layer of a different product to the package. To attain high speeds, Jones incorporates two of the world's fastest robots, the Adept Quattro, into one of the Flexi-Pro Cells. Together, these flexible picking cells can handle a wide array of products with minimal changeover time. Adding to this flexibility, the re-deployable picking cell is easily retooled to serve a different line or product application.

Technology from Rockwell Automation helps deliver the packaging line's speed and versatility. To smoothly operate the picking cell, Jones uses an Allen-Bradley® ControlLogix® programmable automation controller (PAC) that handles all sequential, motion and drive control applications. The high-speed control platform communicates with the robot through discrete I/O to coordinate movements and collect data.

To deliver motion and drive control, the high-performance controller interacts seamlessly with the Allen-Bradley Kinetix® 6000 servo drives and the Allen-Bradley PowerFlex® 4 AC drives. The Kinetix 6000 drives precisely handle the picking cell's high-speed indexing while five AC drives reliably power the machine. Ideal for machine-level speed control, the flexible, easy-to-use PowerFlex 4 AC drives deliver consistent speed in a space-saving design.



*Allen-Bradley® ControlLogix®  
Programmable Automation Controller*



*Allen-Bradley® Kinetix® 6000  
Servo Drives*

# Solutions in action at Pack Expo 2008

## **CMV Cartoner Integrated with the Flexi-Pro Robotic Picking Cell**

The CMV cartoner integrated with the Flexi-Pro Robotic Picking Cell simultaneously handles carton opening and closing, product loading and leaflet feeding. Used in over 1,500 industry installations, the popular cartoner offers an economical, highly versatile solution to nearly every kind of semi-automatic packaging application.

The CMV handles a broad range of carton sizes, styles and materials while equipping customers with the flexibility to enact simple, quick changeovers in flexible production. Adding to its versatility, customers can configure the CMV for automatic closing on many different carton styles, including standard reverse or straight tuck, fifth panels, fourth flap, shadow box partitioned, and glued end. Positive carton opening and belt closing deliver reliable, high-output opening and closing at speeds up to 150 cartons per minute.

For high-speed control, the cartoner relies on the compact, cost-effective Allen-Bradley MicroLogix™ programmable logic controllers. The controller helps all aspects of the machine seamlessly interact with one another including tracking cartons and coordinating timing between the cartoner and the Flexi-Pro Robotic Picking Cell. The PowerFlex 4 AC drive works closely with the controller to deliver powerful variable-speed control to open and close carton flaps, as well as drive all other machine movements.

“When purchasing automation technology, we had five key criteria: functionality, technical support, customer acceptance, worldwide availability of parts, and component cost,” said Lisa Pitzer marketing manager, R.A. Jones. “Rockwell Automation exceeds our expectations in all of these areas, making them a valuable strategic partner for our company.”

By standardizing on Rockwell Automation, Jones can now provide deeper levels of engineering and service-technician training to better serve end users. Since many of its customers also standardize on Rockwell Automation, they benefit because plant operators are familiar with the control system and can take quicker ownership of the machines. In turn, this helps end users save costs while reducing Jones' design cycle and delivery time.

### **For more information, contact:**

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