

SOLUTIONS IN ACTION

PACK EXPO 2007

OYSTAR Jones

The Process & Packaging Group

Booth No. C-2419



*Ascent™ Top Load Cartoner
from R.A. Jones*



Flexipro Robotic Vision Picking Cell



*Allen-Bradley® ControlLogix®
Programmable Automation Controller*

For nearly 100 years, **R.A. Jones & Company** 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. This year, Jones will be exhibiting its **FlexiPro Robotic Vision Picking Cell** and the **Ascent Top Load Cartoner**.

All of Jones' machines use automation solutions from Rockwell Automation. Standardizing on Rockwell Automation offers cost savings as well as reduces design cycle and delivery time. Jones can also provide deeper levels of engineering and service technician training to better serve end users. Since many of its customers standardize on Rockwell Automation, they benefit because plant operators are already familiar with the control system and take quicker ownership of the machines.

"When purchasing automation technology, we look at five key criteria: functionality, technical support, customer acceptance, world-wide availability of parts and component cost," said Jeff Williams, director of business and planning, R.A. Jones. "Rockwell Automation exceeds our expectations, and is a valuable strategic partner for our company."

FlexiPro Robotic Vision Picking Cell. This flexible, high-speed machine sorts, collates, orients and places products in a precise manner. Part of this six-by-ten-foot machine includes the world's fastest robot, the Adept Quatro, which picks up to 180 products per minute. Jones also uses Allen-Bradley PowerFlex® drives from Rockwell Automation to reliably power the picking cell.

When the machine's vision system senses the orientation of randomly placed products moving rapidly down the eight foot conveyor, the robot picks up the product, properly reorients it and deposits it into a bucket conveyor, cartoning operation or other downstream machine. The picking cell performs its functions in a smooth, organized fashion, and integrates seamlessly with other machines on the production line.

Solutions in Action at PACK EXPO 2007

End user flexibility is a core feature of this machine. With minimal or no changeover, the picking cell can handle a wide array of products as well as create variety packs. The re-deployable cell can easily be retooled to serve a different line, product application or new production need.

Ascent™ Top Load Cartoner. Consumer-goods companies in a wide range of industries rely on Jones cartoners to package everything from aspirin to cupcakes in a top-loading carton. Capable of preloading up to six stations, Jones' Ascent features an upside-down-mounted gantry robotic arm for consistent product distribution. Additional features include:

- Stainless steel-welded tubular frame
- Rotary carton feed
- Color touch screen operator interface
- Constant and intermittent motion

The cartoner is controlled by an Allen-Bradley ControlLogix® Programmable Automation Controller from Rockwell Automation which leverages the benefits of a tag-based programming package and integrated discrete and motion control inherent in the Logix Control Platform.

As part of the Rockwell Automation Integrated Architecture™, the platform uses advanced control and networking technologies while providing seamless information integration within the customer's site using the optional FactoryTalk® suite of plant-wide software. This helps Jones' customers easily access critical information on the machine's performance.

Since FactoryTalk is designed to deliver distinct business benefits, including performance and visibility, Jones' customers are able to view the situational display of manufacturing information at the machine, line, plant and enterprise level. In addition, the comprehensive reporting and analysis tools, operator interfaces and management dashboards deliver contextual, role-based information for better decision making.

For more information, contact:

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