

Solutions in Action

Contech



Contech's Omega 60 Slitter/Rewinder Machine



Allen-Bradley® MicroLogix™1400
Programmable Logic Controller



Allen-Bradley PowerFlex® 40
Variable Frequency Drive



CPP EXPO 2009

Booth S-5663

Kansas-based **Contech** is a machinery builder with 30 years of experience in the converting equipment industry. Slitters, rewinders and combination slitter/rewinder applications comprise approximately 10 percent of Contech's business. Manufacturers in a wide array of industries – such as paper makers, labeling companies and tarp manufacturers – use Contech equipment to unwind and slit large rolls of paper, plastic or vinyl material, and rewind them into smaller rolls.

On display at CPP EXPO 2009 is **Contech's Omega 60 slitter/rewinder machine** ideal for applications that require a production rate of around 600 to 750 feet per minute. Developed using a packaged automation control system from Rockwell Automation, the machine cost effectively meets midrange production needs.

Contech leverages the Rockwell Automation Connected Components Building Blocks (CCBB) programming to implement common control tasks as part of the machine design. Engineers use tested and proven design drawings, predeveloped HMI screens, application code and drive parameter files, helping to assure that the Omega 60 is designed based on industry best practices. Also, Contech's programming method also will help the company get its machinery to market much faster.

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SOLVE.®



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- Allen Bradley PanelView™ Component 300 human-machine interface (HMI) helps make learning, operating and maintaining machine processes faster and easier for Contech's customers with a simplified screen interface that clearly displays operating status.

The Omega 60 leverages the Connected Components program from Rockwell Automation. Connected Components are ideally suited for stand-alone machines, providing control that is both sophisticated and affordable. The overall solution is built around the following core technologies:

- An Allen Bradley MicroLogix 1400 Programmable Logic Controller (PLC) manages machine speed and indexing length while helping integrate seamlessly with other machine components.
- Allen Bradley PowerFlex 40 variable frequency drives help deliver precise motor control and smooth reliable performance. Replacing the hydraulic solutions that are commonly used on slitter/rewinder applications, the drives allow the rewind shafts to perform a more controlled "taper" tension, which helps produce a consistent and evenly rolled end product. Also, the absence of hydraulics makes the Omega 60 available to manufacturers with clean room operations, such as in the medical industry.

For more information, contact:

Mike Wescott
Electronics Engineer
Contech
Phone: 316.722.6907
E-mail: mwescott@contech-usa.com

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Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846