

SOLUTIONS IN ACTION

PACK EXPO 2008



*The CAPRA 8000
Side-seal Horizontal Shrink Wrapper
from ARPAC Group*



*Allen-Bradley® CompactLogix™
Programmable Automation Controller*



*Allen-Bradley® Kinetix® 6000
Servo Drives*



*The Brandpac BPTS Tray Loading and Shrink Wrapping Machine
from ARPAC Group*

Booth No. S-2430

The **ARPAC Group** designs machines to wrap packages of various shapes and sizes, either individually or grouped. Its custom-designed tray-loading, shrink packaging, corrugated packaging and stretch-wrapping solutions have been raising the bar for packaging solutions since the company opened its doors more than 30 years ago. The machinery on display at PACK EXPO 2008 is no exception.

The **CAPRA 8000** is a side-seal, horizontal shrink wrapper that addresses a range of package sizes, from small pharmaceutical products to large construction materials. It is designed to automatically adjust conveyor speeds for feeding-lane conditions, and operates with continuous motion at speeds up to 140 packages per minute. The latest version of the CAPRA 8000 features the ability to preprogram all of the end user's production recipes within the Rockwell Automation Logix design environment, helping to make automatic product changeovers faster and less prone to errors.

The ARPAC Group will also feature the **Brandpac BPTS**, which combines a tray loader and a shrink wrapper in one compact machine frame. The machine packs different shapes and sizes of loose products into trays, and then wraps the trays with a clear or printed film at speeds of up to 70 packages per minute. With both applications operating within a small footprint and leveraging the Rockwell Automation multi-disciplined control platform featuring integrated motion, customers of ARPAC can reserve valuable production floor space, and save on installation and maintenance costs.

The Brandpac's Panelview™ Plus CE operator interface offers the following features:

- Animated images of actual machine function.
- Advanced diagnostic capability. Graphical representation of faults and machine errors with one touch access to help information from our extensive troubleshooting guide and help files.
- Ability to store a large amount of information such as PDF (operator manuals) video files, "how to" guides, parts lists, instruction manuals, drawings and other information
- Extensive maintenance information such as lubrication schedule, operating hours for main drive and other useful information.

"The flexibility of the ARPAC machines is far greater than average industry offerings," said Janusz Ciurkot, electrical project manager, ARPAC Group. "These machines have an integrated control architecture, which has allowed us to design for the highest level of flexibility and quality while meeting customer demands for high throughput and low cost."

Solutions in action at Pack Expo 2008

Both the CAPRA 8000 and the Brandpac BPTS employ the Rockwell Automation Integrated Architecture™ system for maximized system performance. The Integrated Architecture system is an integrated control and information system that improves user productivity and reduces total cost of ownership by providing unparalleled functionality, flexibility and scalability. Using sophisticated control, networking, visualization and information technologies, the Integrated Architecture system addresses a full range of control and information needs.

The control architectures of ARPAC machinery include the following:

- An Allen-Bradley® CompactLogix™ programmable automation controller performs all discrete, drive and motion control functions in a single processor. Controlling up to eight axes of motion, the CompactLogix controller brings integrated motion and distributed control capabilities to small- and mid-range applications.
- Allen-Bradley Kinetix® 6000 servo drives and motors help to seamlessly integrate with the CompactLogix controller, and communicate with other machines via EtherNet/IP to eliminate bottlenecks. The tight integration between components significantly enhances the flexibility and synchronization capabilities of these machines.
- An Allen-Bradley PanelView Plus human-machine interface provides users with a window into performance of the machines. Customers use the touch-screen interface to help easily manage product changeovers. Once changeover parameters are entered into the controller, operators can select the product cycle they want to run and the servo drives adjust accordingly. The PanelView Plus terminal also provides users access to machine history and diagnostics, making the ARPAC machinery easier to troubleshoot and maintain.
- Other Allen-Bradley quality components from Rockwell Automation featured on the machines include power supplies, circuit breakers, motor starters and safety components.

In addition, ARPAC now offers **Virtual Technician**, a remote diagnostic system in which expertly trained technicians connect to customers' machines to perform diagnostics, adjustments and upgrades instead of having to rush a service technician to their location. ARPAC provides hardware and software at the customer's location, allowing machines to communicate with secured networks. The machines can connect to the system through the customer's Ethernet network capability or now using cellular technology.

By using Virtual Technician, machine users can also input relevant email addresses of relevant plant operation personnel. In doing so the ARPAC machine will:

- Automatically generate e-mails when desired/programmed conditions or alarms occur on the machine.
- Send periodic e-mails containing production reports, downtime, efficiency and other useful information to selected e-mail recipients.
- Allow qualified operators and maintenance personnel to order parts directly from the HMI screens with e-mail links to plant purchasing department or even directly to ARPAC parts and tech services.

For more information, contact:

Greg Levy
Director of Marketing and Distributor Development
ARPAC Group
Phone: 847.678.9034
Email: glevy@arpac.com

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www.rockwellautomation.com

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