

# SOLUTIONS IN ACTION

PACK EXPO 2008



*Triangle Package Machinery's B5 VFFS Bagger and A918 Combination Weigher*



*The Flex I Bag-in-box Cartoner from Triangle Package Machinery*



*Allen-Bradley® ControlLogix® Programmable Automation Controller*



## Booth No. S-806

Triangle Package Machinery Company is showcasing its diverse product line that includes **vertical-form-fill-and-seal baggers, computer combination weighers, and bag-in-box systems.** All machines in Triangle's exhibit are controlled by an Allen-Bradley® ControlLogix® Programmable Automation Controller (PAC) from Rockwell Automation which leverages the benefits of a single programming package and a common control engine 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 FactoryTalk® suite of plant-wide software. This helps Triangle customers easily access critical information on the machine's performance.

Since the ControlLogix PAC is a multidisciplinary processor, Triangle is able to achieve complete integrated motion through a SERCOS interface® with just one controller and one software package. Additionally, system costs are lowered and integration is simplified through the use of a common control model. Configuration and programming, via RSLogix™ 5000 programming software, help ease initial program development and minimize long-term system maintenance requirements.

Machines on exhibit in Triangle's booth this year include:

**VFFS Baggers**-The family of VFFS bag machines from Triangle Package Machinery is available in continuous and intermittent motion. The B5 VFFS Bagger (shown) is a high-speed continuous motion system for poly or supported films that forms a wide variety of bag styles, ideally suited for USDA applications. The B5 is also available with integrated transverse slider zipper features, allowing slider or traditional transverse zipper in a small footprint. The B5 is great for small packages such as tube nut style pillow bags, vend bags and 1 to 2 lb fills of nuts or candies. The B5 is an intermittent motion machine perfect for washdown applications such as poultry or seafood. All models are controlled by Allen-Bradley ControlLogix PACs.

"The flexible architecture allows us to reuse the design and simplify engineering tasks," said Steve Bergholt, chief electronics engineer, Triangle. "In addition, the more flexible architecture of the machine will help us take and deliver orders quickly."

# Solutions in action at Pack Expo 2008

**Combination Weighers**-The high-speed line of combination weighers from Triangle Package Machinery includes both radial and inline designs to meet an exceptionally wide range of product and other unique requirements. These machines can weigh everything from dry flowables, such as seasonings and snacks to large, irregularly shaped semi-moist foods like fresh-poultry parts. Depending on the volume and product characteristics, speeds can range up to 180 units per minute.

Additional features include:

- ControlLogix PAC weigher control
- Fast, accurate vibration-resistant weighcell
- Hand-removable, interchangeable scale buckets
- Controlled mass product transfer reduces streaming
- Continuous compensation for tare
- Modem for remote diagnostics and upgrades

**Bag-in-Box Systems**-The Flex I bag-in-box cartoner is perfect for cereal applications and is controlled by the Allen-Bradley ControlLogix PAC. Single, double or triple pack configurations are available. The small footprint of the Flex I bag-in-box cartoner saves valuable floor space compared to traditional horizontal cartoning systems.

Features include:

- Servo drives for main drive, rotary placer drive, flap drives
- Allen-Bradley Kinetix® Servo Drives and PowerFlex® AC Drives
- Allen-Bradley PanelView™ Plus color touchscreen display
- Modem for remote diagnostics and upgrades

**For more information, contact:**

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