

# SOLUTIONS IN ACTION

PACK EXPO 2007

## Flexicon®

Booth No. S-5108



*Multiple Bulk Bag Weigh Batching System from Flexicon*



*Swing-Down™ Bulk Bag Filler*



*Model BFC Bulk Bag Unloader*



*Allen-Bradley Pico Programmable Logic Controller*

**Flexicon Corporation** — Size doesn't intimidate Flexicon Corporation, a producer of bulk handling equipment and integrated plant-wide systems. The company's equipment transport, discharge, fill, weigh, blend and feed a broad range of powder and bulk solid materials including chemicals, plastics, food and pharmaceuticals. The company has embraced scalability by catering to every size customer—from small start-ups to Fortune 500 companies—at its facilities in the UK, Australia, South Africa and the United States.

The Flexicon **bulk bag discharger** is evidence of this focus. These units can be combined with Flexicon's conveying technologies, tied to a central programmable controller, and fed into a mixing or blending station, facilitating automated multi-ingredient batching.

Based on the application size and needs, Flexicon Corporation relies on the scalable control solutions from Rockwell Automation. For relatively simple applications, Flexicon has recently converted from traditional relay and timer controls to the Allen-Bradley® Pico® controller. Flexicon leverages the flexibility of the Pico controller to adapt to changing customer needs without costly panel re-engineering. According to David Boger, national sales manager, Flexicon Corporation, "The Pico provides additional capabilities for Flexicon and meets the requirements of our global customer base"

For more complex applications, Flexicon relies on the Allen-Bradley MicroLogix™ family of controllers along with PanelView™ Plus HMI. These solutions easily integrate into new or existing customer installations. For example, in a multi-ingredient batching system, the controller activates individual conveyors in turn to load a preprogrammed amount of each ingredient into a central hopper. Once the target weight of material is reached, the conveyor is deactivated after it has delivered the appropriate amount for each ingredient.

# Solutions in Action at PACK EXPO 2007



*Mobile Flexible Screw Conveyor*

The benefits of a fully automated Flexicon material handling system can be experienced on any scale. Regardless of the size and complexity of the system, the benefits of Flexicon equipment can range from saving hours of labor by increasing operator efficiency through the automation of a manual task, to improving product consistency through the use of a weigh batching system, to improving plant cleanliness through various dust containment strategies.

In the bulk handling industries, it's important for equipment to easily adapt to changes in production schedules or materials. "At Flexicon, we strive to maintain the integrity of the control architecture for future customer expansions and modifications," said Fred Warner, controls manager, Flexicon Corporation.

No matter what the customer size, Flexicon Corporation never scales back on service. "Flexicon, Cooper Electric and Rockwell Automation have been working together for more than ten years," Warner said. "As a result, we work like a well-practiced team and we can use that experience to provide solutions for systems, big and small."

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

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