

SOLUTIONS IN ACTION

PACK EXPO 2008



Osgood Industries' Model 41500-ES Four-lane Filling Machine



Allen-Bradley® ControlLogix® Programmable Automation Controller



Allen-Bradley® Kinetix® 6000 Servo Drive



Booth No. S-879

To accommodate increasingly diverse packages in today's consumer marketplace, manufacturers require high-performing, flexible machinery. Committed to helping customers be competitive, **Osgood Industries** manufactures specialty packaging and filling machines for liquid, dry or viscous products in cups, tubs, trays, buckets and other pre-formed containers. Osgood Industries is recognized for its quality machinery that is capable of fast product changeovers with high levels of accuracy and efficiency.

At PackExpo 2008, Osgood Industries is showcasing its **Model 41500-ES** four-lane filling machine for dairy products. The filler includes many important features that help make it one of the premium machines in the industry.

Total Washdown Capability

Designed for food and dairy applications with strict washdown requirements, the frame of the Model 41500-ES is built of solid stainless steel and is continuously welded for added strength and durability. Additionally, many of the machine's components are designed for washdown procedures, including Allen-Bradley MP-Series™ Food Grade (MPF) motors. MPF motors offer advanced sealing techniques and non-corrosive food-grade fasteners and coatings for enhanced performance.

Multiple Formats Indexing Configuration

The machine offers four lane indexing with two sets of sequential carrier plates on the machine for different packaging sizes. With various indexing configurations built into the design, manufacturers can cut approximately 30 to 45 minutes off the time usually required to make cup diameter changeovers. This capability makes the Model 41500-ES an ideal solution for manufacturers who run multiple container sizes in one day or for co-packers who work with a wide range of customers.

Nitrogen Gas Flush System

Osgood Industries incorporated its proprietary nitrogen gas flush system into the Model 41500-ES to help customers improve product quality. The system is designed to modify the air space inside a sealed container by flushing the area with nitrogen during the heat seal process. Through this process, oxygen levels decrease to as little as 0.50 percent (or to a level specified by the end user) and helps enhance the shelf life of the product.

Solutions in action at Pack Expo 2008

Rockwell Automation Integrated Architecture™

The Model 41500-ES leverages the Rockwell Automation Integrated Architecture system with integrated motion for improved machine synchronization. The machine is operated by an Allen-Bradley® ControlLogix™ programmable automation controller (PAC), which provides an integrated, scalable solution for a full range of automation disciplines, including discrete, process and motion control. An Allen-Bradley PanelView™ Plus operator interface helps operators better monitor and troubleshoot machine operation.

The design also includes Allen-Bradley Kinetix® 6000 servo drives which control the indexing acceleration and deceleration speeds of the conveyors. As the motion control component of the Integrated Architecture, Kinetix integrated motion products help bring increased flexibility to machinery. As new product cycles are run on the Model 41500-ES, operators can quickly and easily adjust the filling speed and pressure to get the fastest cycle possible while avoiding product spillage.

Unlike any other platform, the Integrated Architecture system leverages one development environment – Rockwell Software® RSLogix® 5000 – to ease machine programming, troubleshooting and commissioning and helps get production processes up and running much more quickly.

“The philosophy behind the design of Osgood Industries machines is simple – we pay attention to all customer requirements, and then we build a machine that can meet those needs better than any other on the market,” said Michael Weigandt, VP, Osgood Industries. “We have a high standard for our equipment, and the Rockwell Automation solutions help us keep that high standard.”

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