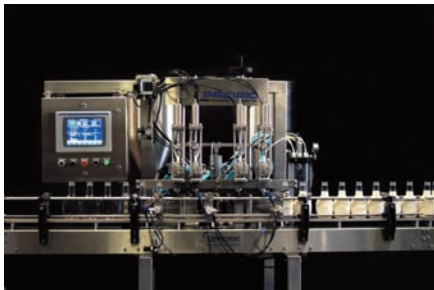


Solutions in Action

Pacific Packaging Machinery



18-Station MagFlow Meter Filling Machine
from Pacific Packaging Machinery



Two-Station Two-phase Pourable Dressing Filler
from Pacific Packaging Machinery



Allen-Bradley ControlLogix
Programmable Automation Controller



PACK EXPO 2010

Booth S-2866

Pacific Packaging is an industry leader in precision-engineered **rotary volumetric, mass flow, and inline filling machinery** for the food, pharmaceutical, automotive, home care and personal care industries. With every machine built to individual application specifications, manufacturers can package liquids with any viscosity into any size container using the Pacific Packaging filling equipment.

Additionally, Pacific Packaging fillers can accommodate numerous configurations and there are no limitations to the types of product that can run on a single machine. For example, a manufacturer can fill a two-ounce bottle of mouthwash, then changeover to fill a 32-ounce bottle of shampoo on the same machine. Helping to enable this high level of flexibility, the fillers are equipped with an Allen Bradley® ControlLogix® programmable automation controller (PAC) from Rockwell Automation.

“By using the ControlLogix PAC, customers can select from a menu of predefined commands, saving significant configuration time,” said Vince Giuliano, design engineer, Pacific Packaging.

The filling machines also use an Allen-Bradley PanelView™ Plus 1000 human machine interface (HMI) that is tightly integrated with the ControlLogix PAC for easy changeover selections. Tight integration also maximizes uptime while minimizing time spent on maintenance.

Both the ControlLogix PAC and PanelView Plus 1000 HMI include Ethernet connectivity which has proven to be an invaluable feature for Pacific Packaging. “Having Ethernet connectivity on these devices has allowed me to connect, service, and diagnose our machines remotely using a laptop and an internet connection,” Giuliano said. “This setup saves the customer the costs involved with a service technician travelling to the site.”

LISTEN.
THINK.
SOLVE.™



24-Station with CIP Arrangement with Bottom-Up Fill from Pacific Packaging Machinery

Variable Rate Product Flow - While the machine operates continuously at high speeds, special valves allow the product discharge rate to vary throughout the fill cycle. For example, when filling a bottle of household glass cleaner – one that is wider on the bottom and smaller on the top – the machine will slow down the fill speed as the contour of the bottle narrows.

Bottom-Up Fill - Through a simple changeover command, the machine will lower the fill nozzle to a predefined drop height before beginning the fill cycle. This feature keeps thicker products, such as mayonnaise, level during the fill, when they would otherwise create a mound.

Two-Phase Fill - For products that require a specific ratio of combined products, Pacific Packaging is the only packaging machine builder in the world to offer fillers with two fill phases on one filling turret, eliminating the cost and additional floor space required to run two fillers back-to-back.

Servo-Based Drive System - Allen-Bradley MP-Series™ servo motors and Ultra™3000 servo drives from Rockwell Automation enable the high level of accuracy in the filler's motion control. The highly-integrated servos are able to track one-another and accurately coordinate speed changes, minimizing waste during product changeover.

“The main reason we’ve standardized on the Rockwell Automation Integrated Architecture™ is the tight integration the products enable,” said Giuliano. “All the components seamlessly connect and communicate with one another, making engineering our machines much easier and less costly for us and our end customers.”

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