

SOLUTIONS IN ACTION

PACK EXPO 2008



*The Optima CFL1 Machine
from The Optima Group*



*Allen-Bradley® ControlLogix®
Programmable Automation Controller*



*Allen-Bradley® Kinetix® 6000
Servo Drive*



Booth No. N-4621

New packaging concepts call for new packaging machinery. As an exclusive technology partner in the filling and packaging machinery market, **OPTIMA GROUP** provides its customers with new machines for innovative, functional packaging types. Among them is the new **OPTIMA CFL1** machine for functional closures.

“Functional closures are innovative, screw caps with functions beyond mere closing,” explained OPTIMA GROUP’s Marketing Department. “Unscrewing or pressing the cap activates the cap’s contents and the product inside the cap is then released into the container and reacts with its content. With our OPTIMA CFL1, we present a monoblock machine that not only incorporates assembly functions for the closure itself, but also cleaning, filling, sealing, marking and various automated inspection processes.”

The CFL1, sized 3x1.5x2.5 m, is the pioneering result of a very compact design approach, combining five functions in one system: filling, sealing, checking, inserting and assembling.

The machine is fully equipped with Allen-Bradley® products from Rockwell Automation. The complete Rockwell Automation servo drive and control solution is used for vertical, horizontal and rotating movements. Products include: Kinetix® 6000 servo drives, MPL-Series motors and ControlLogix® programmable automation controllers (PAC). Allen-Bradley EtherNet/IP™ modules are used for communication and an Allen-Bradley PanelView™ Plus 1250 touch screen operator interface is used for all production data visualization.

“Our customers are typically global leaders in the consumer (food, chemicals, cosmetics), non-wovens and pharmaceutical markets. They operate in a fast-changing market, and are constantly asked to handle filling materials with a lot of different properties, or to manage filling processes in the most aseptic conditions. They need machinery that can provide the required format ranges and outputs, as well as the highest filling precision,” Optima stated. “Flexibility, compactness and precision, together with reduced floor space and operator-friendly design, are key requirements. Furthermore, to satisfy their needs in control and motion management, we should always be ready to provide a high degree of automation technologies on-board the machine.”

Solutions in action at Pack Expo 2008

"We create unique machines," Optima explained, "which have completely tailor made solutions fitting all the customer's needs: for example, a balcony design with integrated control box, good overview and accessibility. Relying on Rockwell Automation's integrated motion and control platform, we can provide all the additional value from the high production flexibility and the possibility of retrofitting function modules."

Rockwell Automation has helped OPTIMA GROUP reduce the machine's programming efforts and helped increase flexibility for the machine's future changes.

"The overall programming and motion profiles configuration are highly simplified. The ControlLogix platform allows easy interlocking of motion and the entire machine code as motion and control logic in a single program," said Otima. "Several end-users request Rockwell Automation as it is synonymous with reliable technical experience, high-performance solutions, and non-stop technical assistance."

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