

Precision Gum Application and Quality Inspection

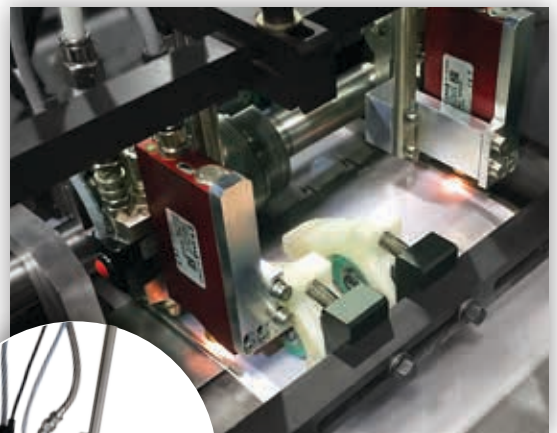
Valco Melton provides envelope manufacturers with an extensive selection of precise dispensing valves, sophisticated controls, high-speed inspection sensors and custom bracket packages.

Systems feature the high-speed, 524 series dispensing valve, which offers long service life even at continuous duty operation, as well as a range of control options including the cost effective, gumming-only MCP-4 Series, and the more sophisticated MCP-8, or OT-120/VCX touchscreen that provides 100% inspection for guaranteed quality assurance.

High Speed Gumming

524 Series Valve Features

- Available with single and multi-orifice nozzles
- Built-in purge switch on each valve
- Rear-adjust optimizes pattern volume
- Compatible with high-quality extrusion gums
- Capable of handling high gum pressure up to 500 psi (35 bar)
- Fewer variations in pattern placement and length with the fastest turn on/turn off response time in the industry
- Heavy-duty spring and long lasting ceramic seat for up to 500 million activations without adjustment or replacement



524 Series Valve

Pattern Control Systems



MCP-4J Pattern Control

MCP-4J Pattern Control Features

- Fast and easy installation with "plug-and-run" connectors and compact design
- Continuous and "stitch" pattern capabilities
- Password protection for key system parameters
- Horizontal mounting, ideal for any envelope machine

** MCP-8 Pattern Control available for bottom seal processes, or any other type of gumming application requiring more than four valves.*

Envelope Inspection

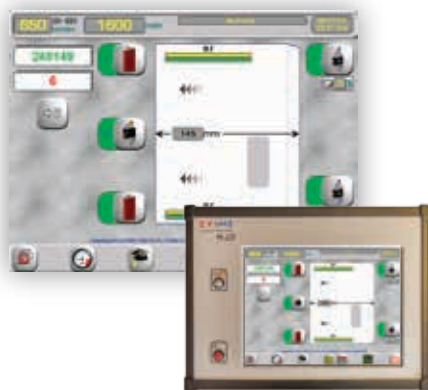
AS-303 Sensor Features

- 8mm sensing area capable of seeing the thinnest gum lines
- Detects any gum pattern including stitching or dotting, regardless of background color or envelope stock surface
- Verifies gum pattern volume, placement and dimension
- Optical sensor looks at the unique spectral signature of water in the gum
- Compact design, ideal for envelope machines
- Sensor profile matches the width of the 524 gum valve and bracket



AS-303 Sensor

Together with gum line inspection, window patch sensors confirm the presence and length of the window patch to detect corners and missing patches. Sensors can be arranged in up to four locations across the envelope.



**OT-120 with EnvelopePRO®
dedicated software**

OT-120 Features

- Intuitive, 12 inch touchscreen display
- Setup wizard walks user through each step of make-ready to configure gumming and gum inspection functions
- Multiple, customizable levels for different operator skill levels
- Easy, one touch access to important functions that minimize screen navigation
- Protected against harsh vibration and temperature environments



VCX Companion Box

EnvelopePro® Features

- Envelope-specific graphical representation
- Supports gum-line inspection to 1mm accuracy
- Offers marking, alarm and dump-gate support to prevent defective product from being shipped
- Data storage and production quality analysis software
- Works with any Valco Melton gumming valves

VCX Companion Box Features

- All-in-one integrated glue control and inspection device
- Modular design for easy upgrades. Designed to expand your systems capabilities as needs grow
- Self-recognition of added components from the moment you plug them in
- Front panel diagnostics



For more information, visit valcomelton.com or contact your local Valco Melton representative.

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