MCP-4J

Glue System Pattern Control

The Valco Melton MCP-4J represents the next generation of glue system pattern controls. The MCP-4J can be used with an extensive selection of Valco Melton's cold-glue or hot melt adhesive dispensing valves including high-speed non-contact, spot gluing, fine-line gluing, and ribbon-pattern gluing. Suited to a range of applications from simple packaging requirements to complex high-speed converting requirements such as folding carton production, envelope manufacturing, book and magazine production, bag-making, and corrugated box-making.
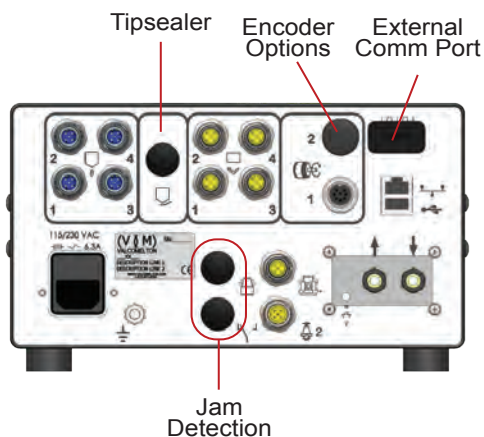
Based on the MCP-4, long considered an industry standard, the new MCP-4J includes a 4-station jam prevention feature.The MCP-4J also offers the latest high-speed processor, USB and Micro SD ports for easy backups/data storage, a more durable magnetic overlay (touch panel), and a tip-sealer function for use with Valco Melton NC and NCR series non-contact glue stations. The MCP-4J connects to the BoxChek 7 vision inspection system to allow the user to see gluing and inspection on one screen.

Key Features:

• Same user interface as MCP-4.
• 4 Valve outputs
• "Continuous" and "stitch" glue pattern capabilities
• Glue pattern resolution to 0.01 inch or 1mm
• Tip-sealer function
• 4 Scanner inputs
• 4 station jam preventer with relay and beacon outputs
• 1 or 2 Encoder inputs
• Adjustable minimum speed (machine jog override)
• Automatic line voltage selection 100/115/200/230 VAC
• Rugged magnetic button design provides more durable
   overlay touch panel
• External EPC flow control
• USB port for system backups and software updates
• Micro SD card for data backup and job storage
• RJ45 Ethernet port integration with BoxChek 7
   inspection system
• Pump feedback/diagnostics
• Web break detection
• Batch count

Inputs & Outputs

Tipsealer
Encoder Options
External Comm Port
Jam Detection

Technical Specifications

MCP-4J Specifications	
Glue Pressure Outputs	2
Input Voltage	100- 130/ 200-240 VAC, 50/60 Hz, Field selectable
Number of Independent Output Channels	4
Number of Trigger Inputs	4
Maximum Product Length	200 inches (5000 mm)
Glue Pattern Resolution	0.01 inch (1mm)
Glue Pattern Accuracy	1 mm at 610 m/min
Modes	Timer, Encoder
Maximum Number of Patterns per Channel	8
Gluing Modes	Continuous, stitch, jog, and intermittent
Enclosure Rating	IP 54