## Controller with Advanced CartonPRO™ Software
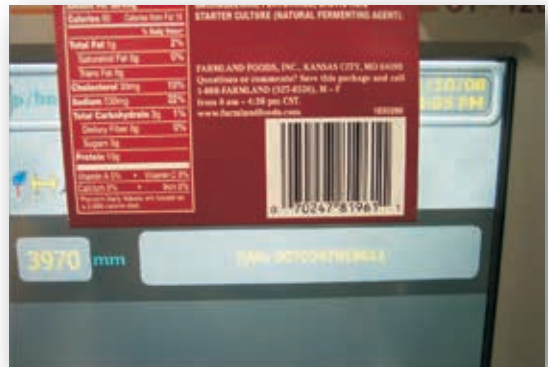
Valco Melton's OT-120 and VCX Companion Box were specially designed to fit the needs of the folding carton industry. The OT-120's touchscreen display is engineered for machine operators to minimize steps during make-ready and operation. A special "wizard" guides the user through the setup process making sure that every aspect of gluing and quality assurance has been correctly followed. CartonPRO® software focuses your operations on boxes and quality, not on the gluing equipment.

• 12 inch touchscreen with long-life back light
• Flash-based memory - no vibration sensitive disc drives
• Protected against harsh vibration and temperature environments
• Data history stored in SQL format
• VisiPRO® compatible - capture your quality and downtime information and then make it available through any networked PC in the enterprise
• Multiple, customizable access levels for different operator skill levels
• Easy, one touch access to important functions that minmize screen navigation
• Setup wizard walks user through each step of make-ready to configure gluing and inspection functions

Valco Melton's VCX Companion Box was designed to expand your systems capabilities as needs grow. A modular design permits easy upgrades. Self-recognition of added components takes the confusion out of adding to the system. Unique features include a front diagnostic panel, not available with competing companies.



- Integrated glue control and inspection device all in one
- Unique modular design allows for you to pay for only the hardware you need
- Bobst® Cube® compatible
- Modules and sensors are self-recognizing from the moment you plug them in
- Front panel diagnostics
- Easy access for maintenance- cover removes for inserting
- Tracking control module (TCM) tracks boxes for marking or ejecting
- Additional boxes can be linked to address up to 32 channels
- Allows for each 4-valve module to have 2 independent pressure outputs
- Verification of glue lines, bar codes, color codes, flap lengths, double feeds, windows, and labels

## Technical Specifications

| VCX System Specifications | |
|---|---|
| **VCX** | 4 module slots available for combinations of TCM (Tracking Control Module), PCM-4 (Pattern Control Module), and ICM-4 (Inspection Control Module) |
| **Electrical Service** | Auto-configuring: 90-120 VAC, 5A or 200-240 VAC, 2.5A |
| **Encoder Inputs** | 2 |
| **Pump Power Supply** | 24 VDC |
| **Valve Outputs** | 4 per PCM-4 Module, max. 16 per VCX (32 with lower wattage valves) |
| **Trigger Inputs** | 4 PNP/NPN per PCM-4 Module, max. 16 per VCX. Each PCM-4 Module has 1 linkable photocell input from previous module and 1 linkable output to next module |
| **Pressure Outputs** | 1 internal, 1 external (0-10 V or 2-20 mA) per PCM-4 Module |
| **Inspection Sensor Inputs** | 4 per ICM-4 Module, maximum 16 per VCX |
| **Color Code Sensor Inputs** | 2 on TCM Module (TCM required for color code reading) |
| **Sensors** | Glue (AS-301, 601, 701), Glue Pot (Microwave), Bar code (MS-911), foil, windows, labels, hologram labels, double feed |
| **Tracking Modules** | 3 types: Bobst cube, Flipper, Mars Ejector. Kicker and sprayer outputs do not require TCM |
| **Job Storage** | Up to 250 jobs available to store in SQL format |
| **Networking** | Ethernet - VisiPRO quality assurance and downtime database |
| **VCX/OT-120 Connectivity** | Max 2 OT-120 screens on 1 VCX. Max 2 VCX units on 1 OT-120 |
| **Machine Speed** | 1200 meters/min (variable resolution) |



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