ClearVision

Package
Perfect Box™

More than Quality Inspection

ClearVision systems ensure every box is perfect before it is sent to the customer.

More than just a piece of production equipment, it is a strategy to increase awareness of issues customers have with defective boxes and work in partnership with them to resolve those issues.

Benefits

For Box Makers - Stand out from the competition. Delivering quality product increases customer retention and reduces in-plant waste.

For Buyers of Boxes - Eliminate case erector downtime and product losses from defective boxes.

How it works

1 - The system captures a picture of *every* box.

2 - At full production speed, it then analyzes each picture for gluing, front gap, back gap, score, skew, slot, print registration and color variation defects.

3 - When a problem is found, the system sounds an alarm and archives the picture. The system then can mark the bundle where the bad box is located and eject the full bundle.

RC ✓ Perfect Print Register
GC ✓ Perfect Gluing
PC ✓ Perfect Print Inspection
SC ✓ Perfect Scoring
FC ✓ Perfect Folding
BC ✓ Perfect Bundle Ejection
GC ✓ Perfect Gap Inspection

Quality Inspection Systems

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or snap a picture of this QR Code

BC-001

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Your Guide to the
PERFECT BOX

Valco Melton
Adhesive Dispensing & Quality Assurance Systems

Corrugated Solutions
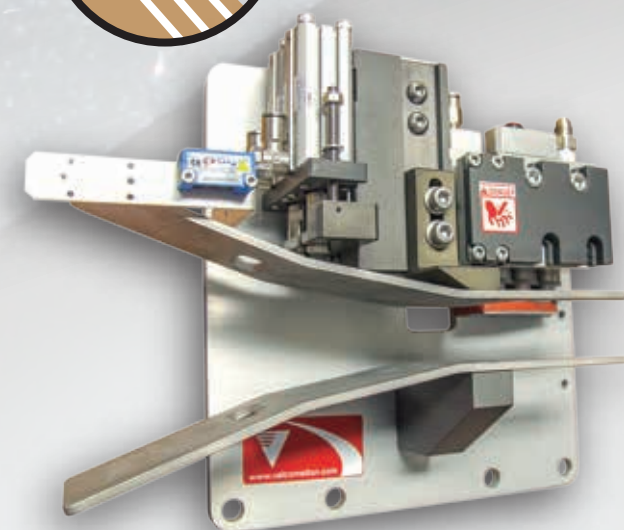English Version

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The Perfect
for The

Tri-Valve Non-Contact Glue Station

Consistently achieve high quality products through all machine speeds and setups. This enclosed system eliminates the messy slinging and excess pickup from glue rolls, making for less cleanup and maintenance.

Non-contact technology eliminates product skew that can be caused in certain contact gluing applications. An integrated tip-sealer prevents nozzle plugging during periods of downtime.

Flexoseal® users benefit from:

• Improved production capabilities
• Less maintenance
• Increased system reliability
• Minimum spare parts inventory

Cold Glue & Hot Melt Adhesive Dispensing

Valco Melton

- Equip your flexo-folder-gluer for the zero defect challenge -

Valco Melton supplies the corrugated industry with the latest technologies for cold glue and hot melt adhesive dispensing, as well as quality inspection software, sensors and cameras. Combined with unparalleled technical service and global support, upgrade every step of your corrugated box manufacturing process from one single supplier.
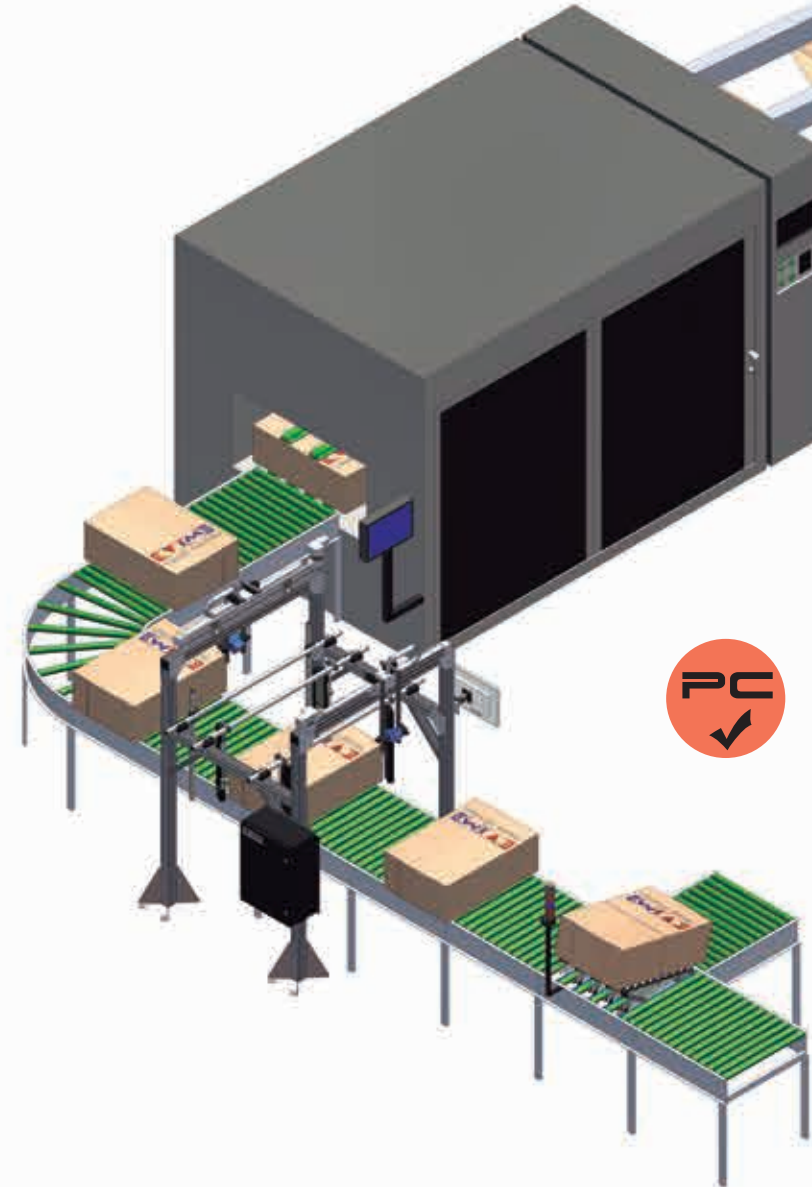
Apply Adhesive	Inspect & Verify	Eject	Analyze
Hot melt or cold glue	Every single box	Faulty boxes	Stored data

BoxChek7 Inspection Software

Valco Melton has raised the industry standards in inspection software for corrugated boxes and folding cartons with its latest version of the ClearVision product line. BoxChek7 introduces a brand new way for users to interact with its system on a 21" touchscreen that combines setup for gluing, as well as inspection of gluing, folding, print registration and scores.

Features of BoxChek 7:

- Cameras and sensors can now be combined in one system to include barcode reading, hot melt detection, as well as identifying problems with sheets such as skew.

- Performance has been improved two-fold over the previous version to capture more detailed images at even higher production speeds.

- Bundles with defective boxes can be removed from Flexo-Folder-Gluers with BundleChek and bad boxes can be identified and removed from Folder-Gluers with sprayers and ejectors.

- The new system learns the positions of the cameras and sensors when moved during a Folder-Gluer make-ready.

- Ethernet connection assists your management team to access our system remotely to run a variety of quality reports. It also helps our technicians to remotely run diagnostics and aids the plant in proper set ups.

GapChek

GapChek measures the lead gaps, trail gaps, and skew for 100% of all boxes in a bundle.

BundleChek™

After GlueChek finds a problem with the glue lines, or FoldChek™ identifies manufacturer's joint gap issues, **BundleChek** receives a signal and quickly diverts the bundle to an alternate conveyor.
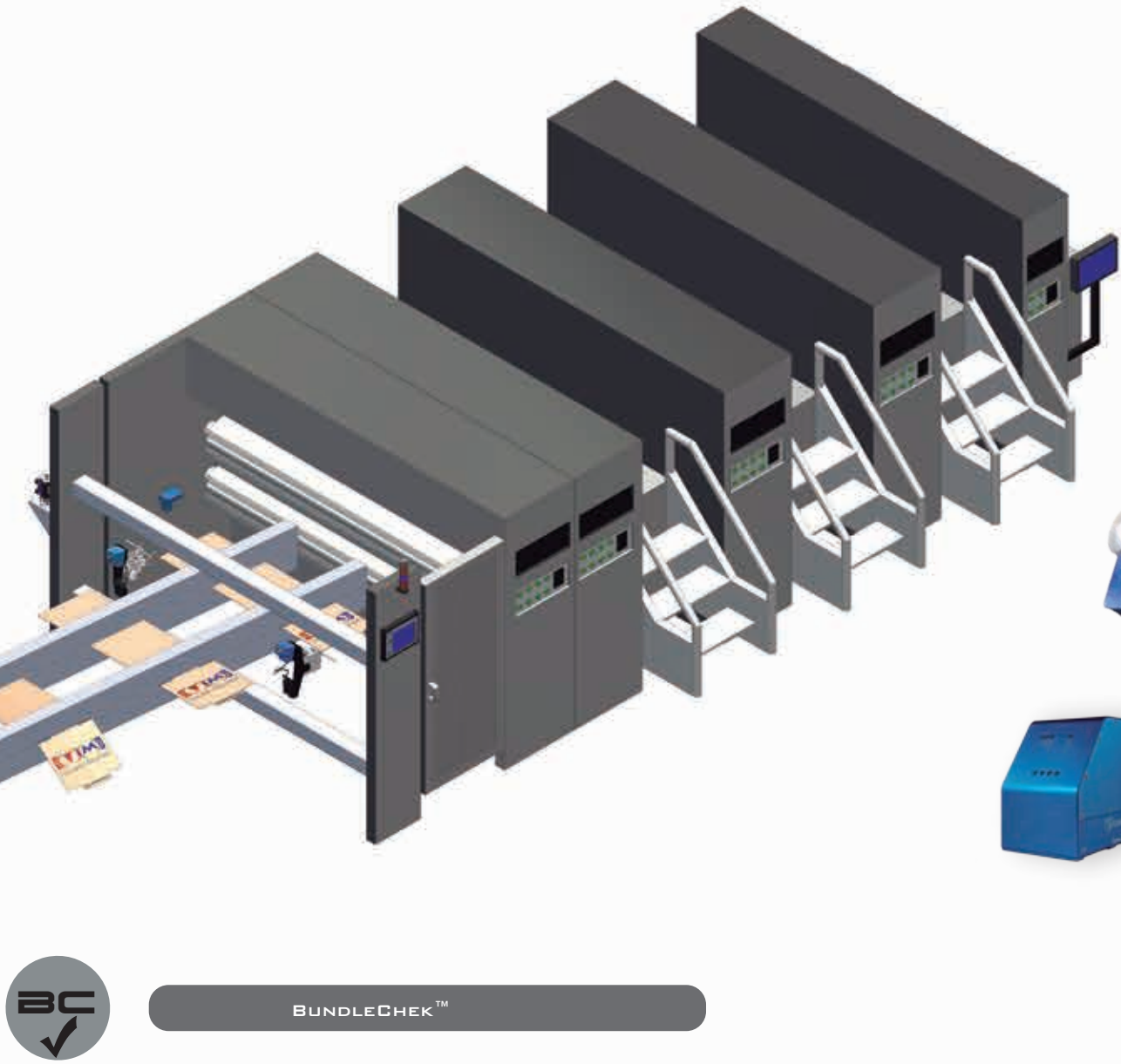
GlueChek™

GlueChek analyzes the adhesive pattern of every box to ensure no gluing problems exist. If an imperfection is found, operators are notified instantly by an alarm, while the defective box is marked and an image of the error is saved.
Box makers can identify and remove any defective box before shipment and be confident they are providing perfect boxes to their customers.

PrintChek™

PrintChek is a full sheet inline print detection system used to inspect spots, registration (color-to-color and color to cut), stripes, scratches, color, missing print, smearing, double print/ghosting, drying, barcodes, blank measurement, board damage, delta-e color density, and skew. Can be used on flexo-folder gluers and die cut presses.

FoldChek™

When **FoldChek** detects a fold issue the system alarms and the image of the defective box is stored for later analysis. This allows manufacturers to monitor the fold capability of their machine and make adjustments accordingly.

RegChek™

RegChek examines a custom registration mark on the leading and trailing edges of the box and calculates print-to-cut registration for each color, as well as print-to-print for each color.
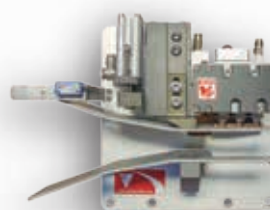
ScoreChek™

ScoreChek verifies the accuracy of the corrugator score positions on the board by measuring its distance to the leading or trailing edge.

Flexoseal® Gluing Stations

3NC Tri-Valve Non-Contact Glue Station

The non-contact method eliminates product skew and features a tip-sealer design that prevents nozzle plugging during periods of downtime. Can provide staggered patterns at the start and end to match lead and trail tab angle, even in "auto-glue" system mode.
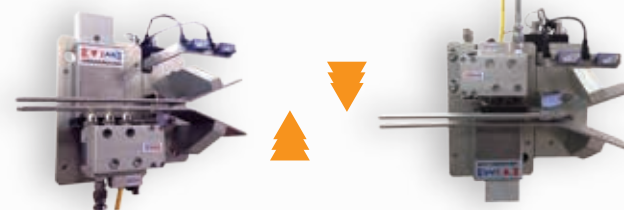
Multi-Valve Non-Contact Glue Station

Simple, low cost, dual non-contact glue valve station for top down gluing
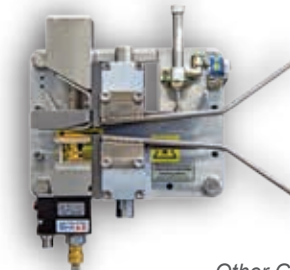
3NCR Tri-Valve Glue Station

The patent-pending 3NCR Tri-Valve Glue Station has been engineered to allow fast and easy changes between top-down and bottom-up adhesive applications using one single gluing station. Its integrated reversing device eliminates the need to invest in additional gluing stations.

Contact BoardRunner® Glue Station

Its patented technology takes weight off the valve and allows the glue applicator to adjust seamlessly with the board.

Other Glue Stations Also Available

Pattern Controls

MCP-4J
The MCP-4J offers four scanner inputs and is capable of controlling up to four glue valves for complex or multiple glue patterns, as well as timer mode operations and jam preventer.

MCP8
Offering eight channels of gluing with up to ten individual glue patterns and an integrated jam preventer, the MCP8 is ideal for complex gluing jobs.

OT-120
OT-120 supports sensor inspection and features multiple, customizable access levels for different users with an intuitive, user-friendly touch-screen.

OT-120
MCP8
MCP-4J

Hot Melt Systems

Count on Valco Melton's Hot Melt Glue Systems to achieve the best performance.

EC Series adhesive melters were engineered to meet the needs communicated by hot melt glue system users worldwide. A user-friendly interface, top range safety features and a fully compatible design makes this unit the new standard in pneumatic adhesive melters.

D Series gear pump hot melt glue systems guarantee reliable glue patterns, free of pump wink.

System Options & Accessories
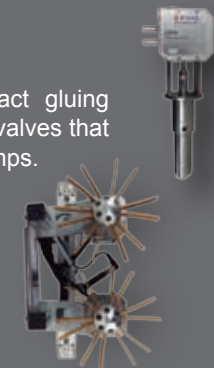
DD-1 Electronically-Controlled Diaphragm Pump
A unique electronic reversing control that produces a nearly pulse-fee output, even at very low operating air pressures.

EPP-9 Electronically-Controlled 6:1 Ratio Piston Pump
Designed for long-lasting dependability, this pump is more common with non-contact gluing applications that require higher adhesive pressures. Equipped with a unique seal stack and large check valves that permit consistent, and high output flow, the lifecycle of this pump is five times more than other piston pumps.

Tab Trim Removal System
The Model TR500ME removes unwanted tab trim before it interferes with glue application. It can be easily mounted on most machines.

Global Support with Local Service

Spanning over 76 countries, our vast network of operations is supported by knowledgeable, local sales and service teams committed to providing technical assistance when and where you need it.