

Identify Boxes with Non-Conforming Manufacturer's Joints Before Shipping

GapChek images the front and backside of every bundle automatically as it passes, measuring lead and trail gap on every box without operator involvement. Bundles outside tolerance are identified and marked for ejection, so problems are caught before they reach the customer.



Fewer Returns and Recalls

Every box in each bundle is measured, counted, and defective bundles are either marked or ejected before they ship.



Increased Efficiency

Provides automated real-time process monitoring to maintain consistent quality and reduce waste.



Cut Waste at the Source

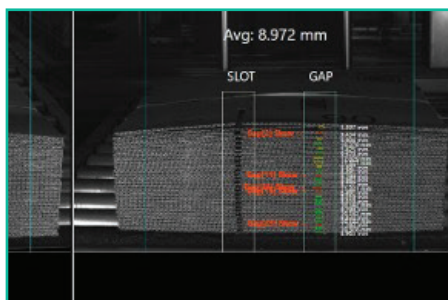
Gap defects are flagged the instant they occur, so process problems are corrected before more boxes run out of tolerance.

How it Works

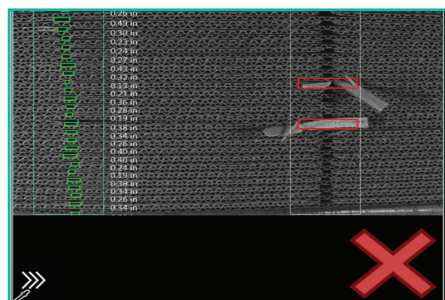
GapChek mounts after the counter-ejector and uses your existing conveyor, no new line space required.

Auto-positioning cameras image the front and back of every bundle, measuring lead and trail gap without operator involvement to ensure they meet your defined specifications. Any bundle outside those tolerances is automatically marked for manual or integrated ejection.

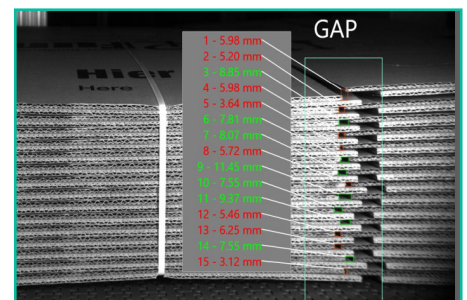
Detected Defects:



Gap Skew Defect

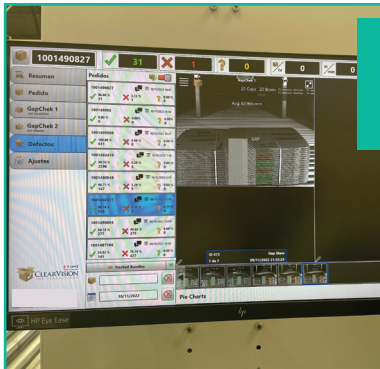


Scrap Defect



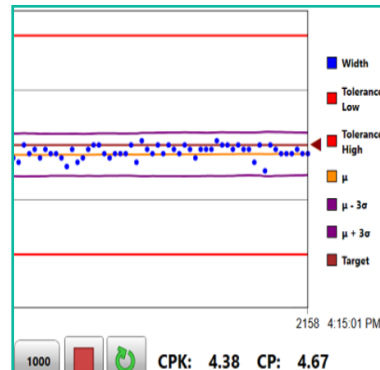
Small Gap Defect

Features



Live, Visual Interface

Live gap data , images and defect history on a single screen.



Process Control

Tracks process data with Cp and Cpk monitoring, control limit display, trend-based alarming, and email escalation.



Online help and support

24-hour support hotline, remote troubleshooting, and software updates.



Auto Positioning Cameras

Mounts after the counter-ejector and runs on existing conveyor

Turn Quality Control Into a Data-Driven Advantage With AI-Assisted Inspection

GapChek's built-in defect logging, image storage, and order-based reporting give operators and quality teams the data to identify root causes behind recurring gap problems. Every bundle measurement is recorded and traceable, giving you documented proof of quality to help win new business. AI-assisted setup, trained on GapChek image data, simplifies operation and improves accuracy.

- Provides documented proof of quality for customers and audits
- Builds confidence in every shipment and strengthens customer trust
- Creates production records that support sales, service, and continuous improvement



Integrated Solution



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

World Headquarters: Cincinnati, OH, USA (Corporate Offices) • Tel: +1.513.874.6550 • info@valcomelton.com

Europe Headquarters: Orkoien, Spain • Tel: +34.948.321.580

Asia HQ Offices: Xiamen, Fujian, China • Tel: +86.592.591.7854