CRIS 360

CONTROL RELIABLE INSPECTION SYSTEM

Package Verification System for Round, Touching and Randomly Oriented Products from Sensors Integration featuring machine vision products from Datalogic

WHAT IS THE CRIS 360?

CONTROL RELIABLE INSPECTION SYSTEM

The CRIS (Control Reliable Inspection System) is a product and package verification system designed to handle the demands of inspecting round, touching, and randomly oriented products. Utilizing Sensors Integration's patented fail-to-safe inspection ensures all flawed products are rejected from a production line. The CRIS 360 uses Datalogic machine vision products along with Allen-Bradley/Rockwell PLC and HMI platforms for high-quality and reliable operation. With Datalogic and Allen-Bradley/Rockwell components, the CRIS 360 offers a wide array of accessories, support, and options you have come to expect from industry leaders.

SYSTEM FEATURES AND OPTIONS

360° Product Validation

Multiple cameras provide 360° product validation. Packages in any orientation will be correctly identified using barcode or pattern and then validated or rejected by the CRIS 360.
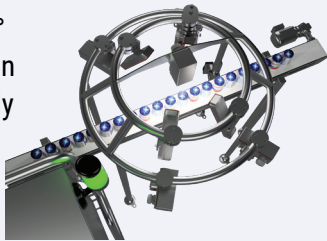
1D & 2D Barcode Verification

The CRIS 360 has verification options for UPC, DataMatrix, and other 1D and 2D barcodes at speeds up to 1200 products per minute.

Dynamic Speed-Compensated Reject System

Our reject system tracks product pass signals as they pass the inspection point and uses our patented algorithm to accurately reject products even with continuously varying line speeds.

OCR/OCV for Date & Lot Code Verification

The CRIS 360 uses OCR/OCV to accurately verify date and lot codes. The CRIS 360 will reject any products that don't precisely meet the parameters set for validation.

Logo Integrity, Pattern & Color Recognition

The CRIS 360 can be programmed to recognize logos, colors, patterns, and shapes. Patterns and logos are often used for logo quality inspection to maintain brand integrity.

Time & Date Event Recording

For every error, mismatch, employee login, or product change, the CRIS 360 records the time and date of the event. This track and trace methodology allows users to track errors and changes in the system.
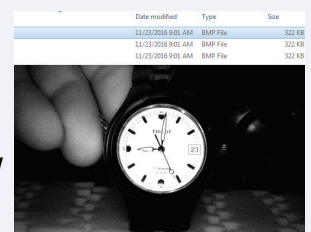
WHO IS SENSORS INTEGRATION?

Sensors Integration offers comprehensive problem-solving and integration services with expertise in product and package verification, vision systems, lighting, RFID, and barcodes. Sensors Integration provides solutions for complicated real-world application challenges based on in-depth research, extensive experience, and thorough testing and verification in Sensors Integration's working lab.

REMOTE TECHNICAL SUPPORT

Each system may be equipped with VPN that connects through a secure network for remote technical support, including making changes and analyzing diagnostics.

Fail-to-Safe Inspection Methodology

The multi-patented design assumes product should be rejected until positively verified to ensure product safety and accuracy. Faults in any part of the line prevent products from continuing past the inspection point.
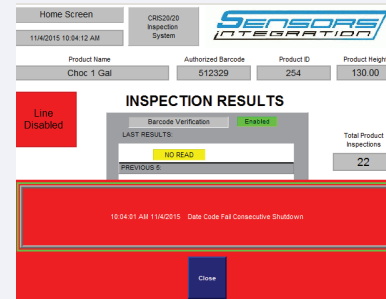
Patented Multi-level RFID Access Control

Provides varying levels of access control over line changes and inspection approvals. The CRIS 360 time and date stamps who interfaces with the system so you can track who created a change.

	Operator	Supervisor	Maintenance	Manager/QA	System Master
Teach barcode or select recipe	●	●	●	●	●
Clear warning messages	●	●	●	●	●
Clear consecutive no-read error	●	●	●	●	●
Clear mismatch shutdown error		●	●	●	●
Edit recipe entries			●	●	●
Enter/exit system bypass mode			●	●	●
Change consecutive no-read limit				●	●
Edit system configuration					●

360° VALIDATION WITH ◆DATALOGIC

BARCODE
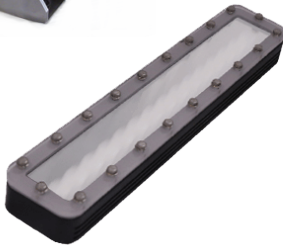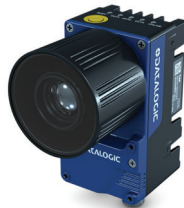
0 123456 789012

DATAMATRIX

PATTERN

KEY COMPONENTS

Datalogic MX-E90 | Datalogic M-Series Camera | Allen-Bradley PanelView HMI | Allen-Bradley CompactLogix PLC

11
US PATENTS

200+
INSTALLATIONS

600
PRODUCTS PER MINUTE

SENSORS INTEGRATION
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