

# CRIS: CONTROL RELIABLE INSPECTION SYSTEM

THE PATENTED LABEL AND PACKAGE  
VERIFICATION SYSTEM FROM  
SENSORS INTEGRATION



**SENSORS**  
iNTEGRATION

PARTNER  
SYSTEM  
INTEGRATOR  
**PSI**  
COGNEX

# WHAT IS CRIS?

## CONTROL RELIABLE INSPECTION SYSTEM

The CRIS is a product and package verification system with patented fail-to-safe inspection technology to ensure all flawed products are rejected from a production line. The time and date track-and-trace feature built into the CRIS allows the user to capture logs of every interaction of personnel as well as every component and system issue that arises. The CRIS uses Cognex vision cameras and barcode scanners along with Allen Bradley/Rockwell PLC and HMI platforms for high-quality and reliable operation. With Cognex and Allen Bradley/Rockwell components, the CRIS offers a wide array of accessories, support, and options you have come to expect from industry leaders.



# WHO IS SENSORS INTEGRATION?

Sensors Integration is a Cognex Partner System Integrator offering comprehensive problem-solving and integration services with expertise in product and package verification, vision systems, lighting, RFID, and barcodes. Sensors Integration solves complicated real-world application challenges using in-depth research and extensive experience that are thoroughly tested and verified in Sensors Integration's working lab.

## RFID KEY USER ACCESS LEVELS

	 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					●

# SYSTEM FEATURES AND OPTIONS

## 1D and 2D Barcode Verification



The CRIS has verification options for UPC and DataMatrix at speeds up to 1200 products per minute.

## Date and Lot Code Verification



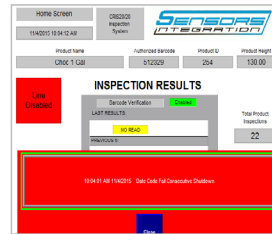
The CRIS has accurate date and lot code verification available that will reject products that don't specifically meet the parameters you set for approval.

## Logo Integrity, Pattern and Color Recognition



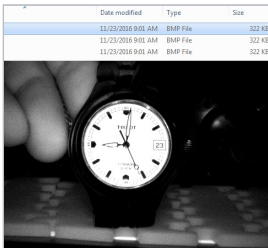
The CRIS can be programmed to recognize logos, colors, patterns, and shapes for high quality inspection and rejection.

## Fail-To-Safe Inspection



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 prevents products from continuing past the inspection point.

## Time and Date Event Recording



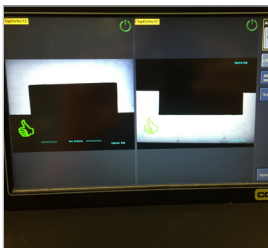
For every reject, mismatch, employee login, or product change, the CRIS records the time and date of the event. This track and trace methodology allows users to track errors and changes in the system.

## Patented Multi-level RFID Access Control



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

## Open Flap Detection



Customized algorithms for vision allow detection of open flaps on containers early in the production process.

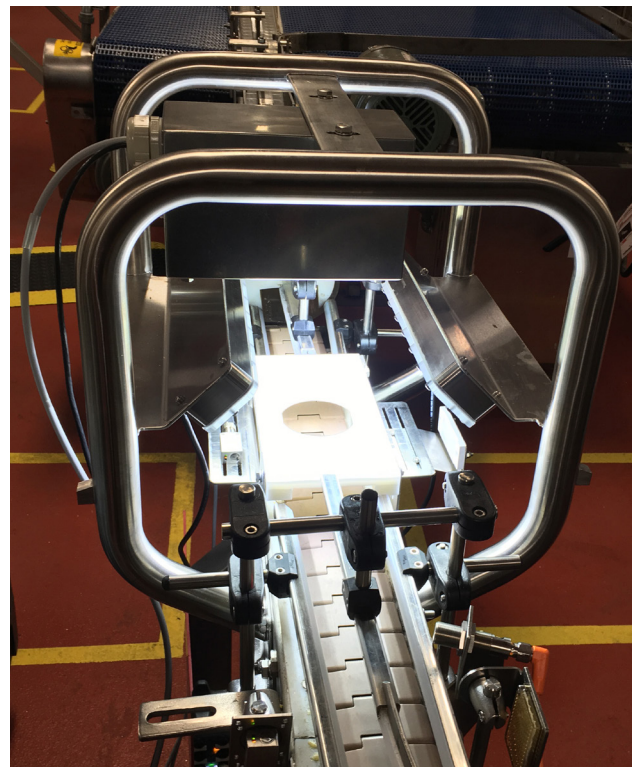
## Dynamic Speed-Compensated Reject System



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 varied line speeds.

## 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.





# WE CAN READ IT



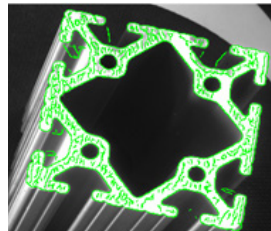
BARCODE



DATA MATRIX



PATTERN



## KEY COMPONENTS

Cognex VisionView Camera Display | Cognex DataMan and InSight | Allen Bradley PanelView HMI | Allen Bradley CompactLogix PLC



**4**  
US PATENTS

**150+**  
INSTALLATIONS

**1200**  
PRODUCTS PER MINUTE



Phone: 763-972-1051 • Toll Free: 1-888-920-0939 • Fax: 763-972-1041  
507 Kelsey St. • Delano, MN 55328 • [www.SensorsIntegration.com](http://www.SensorsIntegration.com)

US Patents 7,983,779 • 8,077,051 • 8,368,550 • 9,147,326