Custom Vision Inspection

CURRENT CHALLENGE

Product quality is one of the most important aspects for your brand in the marketplace. To ensure quality, you want an inspection system tailored to your specific product, not something off the shelf.

JOA SOLUTION

Joa's custom vision inspection system can be altered to your product. This means inspections based on your product features, inspections based on your manufacturing process and integration with your control system.

LEARN MORE

Contact your sales representative or email **marketing@joa.com**.

1. Line Scan vs. Area Scan Inspections

Line Scan Inspection
- Builds an image line-by-line as product moves by
- Ideal for inspecting cylindrical surface or parts of a web
- High resolution image
- Capable of single-product rejects

Area Scan Inspection
- All-in-one smart camera with built-in image processing
- Standard resolution and rugged for industrial environment
- High-speed inspection

2. Software

Integrated EasyView option in software
- Can be individualized per inspection

Dedicated Vision System HMI with multiple camera display
- Up to 12 cameras displayed on the Main Console Vision System

3. Integration

Product tolerance interface with PLC processor
- Information saved with each product size – ARM compatible

Max/min tolerances communicated from PLC
- Dedicated HMI pages

4. Data Acquisition

Integrated with data-acquisition system
- Vision rejects
- Product tolerances/measurements
- Other critical machine data
- Historical data capable of being captured and stored

5. Support

Installation
- Ability to work with assembly/ engineering design team on individualized inspections
- Custom/specific brackets designed for individualized inspections

Set Up
- At Joa facility – Set up of hardware and software for each camera
- Monitor camera system operation throughout machine commissioning

Training/Start Up
- In-house expertise – Set up of hardware and software for each camera

6. Cameras and Inspections

Frontal Tape
- Placement and integrity

Topsheet
- Front and back ears placement and integrity

Full Product
- Back ears tab placement, core placement and integrity, front ears die cut

Tab
- Tab spacing and placement

Acquisition Side Detection
- Corrects inverted web

Cuff
- Cuff width, elastic presence

Topsheet Neck-Down
- Product placement before glue heads