

Box Inspection



Box inspection can be performed on a wide range of different products

After the boxes are filled and closed, the final packaged product must be inspected. Damaged or incorrectly closed boxes are not sellable.

Installation is at the conveyor just after the packaging machine.

The lighting and camera setup allows all edges to be inspected. By using the NIR spectrum, printed decorations does not affect the images or the system sensitivity.

The vision system works according to general rules. All edges should be straight and parallel, and no parts are allowed to protrude from the box.

Features

- Easy to set up
- Operates on all sizes and decorations
- No adjustments necessary when changing products
- Statistics showing trends and performance of packaging machine
- All defective boxes are rejected
- Internet connectivity
- User friendly software
- Flexible, compact and portable design
- Fast, efficient and reliable results
- Trend analysis

General

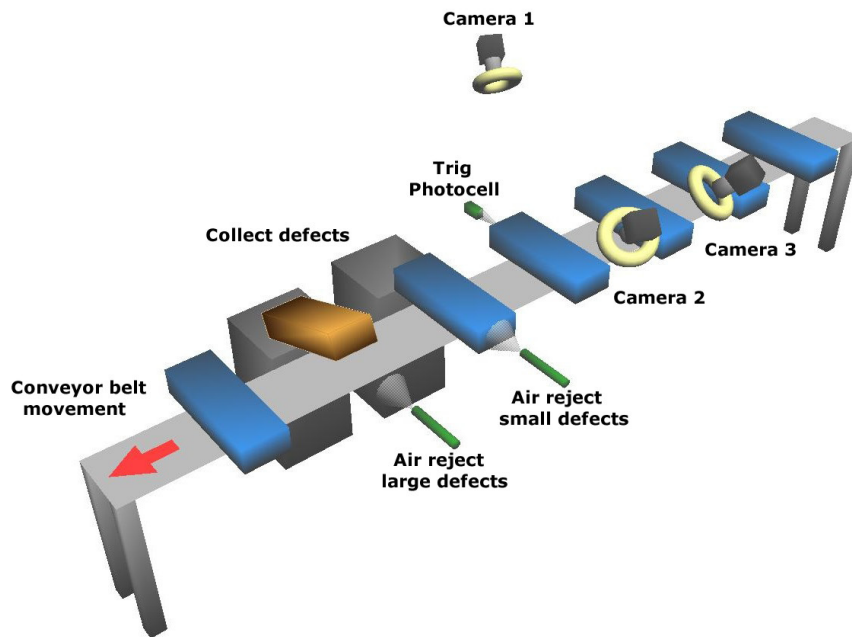
Capacity:	3 boxes/s
Camera:	High resolution CCD matrix
Sensing area:	Depends on box type
Operating temperatures:	+5° C to +45° C
Humidity:	20-80% non condensing
Power:	110V, 60Hz or 230V, 50Hz
Lens:	Special industrialized macro optics
Computer:	Industrial vision PC's
Monitor:	21" flat screen
Dimensions: W x H x D	On request.

Measurements

Detects:	Flaps, barcodes, dimensions, skewness, box decoration/pattern.
Accuracy:	Depends on box pattern and box size.

Interface

Vision input/output:	24V, Input: Boxtype, Output:errorclass, Remote control.
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Typical setup for box inspection

Company Profile



JLI vision a/s develops, designs and manufactures dedicated turnkey vision systems for the international industry.

With more than 27 years of experience, JLI is among the oldest companies in the computer vision field. Our customers include well known international companies. JLI works in many different industries ranging from food processing to material handling, glass, steelworks, pharmaceutical, plastics and packaging.