

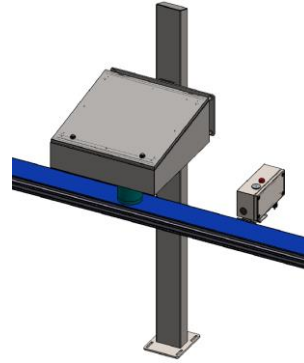


Eagle Vision

Seam Inspection

The Seam Inspection is a highly accurate, reliable and proven inspection system for the inspection of Seam defects on cans. Different can shapes can be inspected. Several critical Seam defects can be identified:

- Seam dents.
- Droops/Vee.
- Cut seam.
- Knocked down flange
- Double seam.
- Incomplete seam.
- False seam.
- Tight/loose seam.
- Cut down seam.
- Seam spinner/turned corner



Accuracy:	Defect size ~2x2 – 3x3mm*
Ratios:	Detection reliability: 99-99,9%* False reject rate: 0,1 – 0,01%*
Speed:	60.000 - 90.000 products per hour (infant formula & beverage) with associated conveyor speed.

Type of packaging: Cans/ round, rectangular and other shapes possible. (infant formula, beverage).

Assumptions: 1 can diameter spacing is required.

Certifications & ratios: CE certified
Low Voltage Directive 2006/95/EC
Electromagnetic Compatibility
Directive 2004/108/EC

Mechanical information

Total shipment weight 30 Kilo***
Dimensions L 600 x W 600 x H 266 mm**

*depending position on the can and type of defect. These are intended figures and based on optimal conditions.

**dimensions of the footprint without pole

*** Weight of separate optical unit.

Functionalities

- Vision inspection covering the entire Seam without any product handling.
- In line positioning for high speed inspection of entire production
- Inspection of different can sizes and shapes possible.

Features

- Short changeover time using product library
- No mechanical adjustments needed
- Proven standard system
- Random product orientation possible for Round Cans
- Simple installation in the line
- Stainless steel hygienic frame, used in can filling lines and can making lines
- Network connection
- Remote access connection
- Storage of statistics and pictures
- Operator friendly interface
- Easy maintenance because of no moving parts

The products characteristics are a simplified representation and for information purpose only. They can be updated according to technical changes.

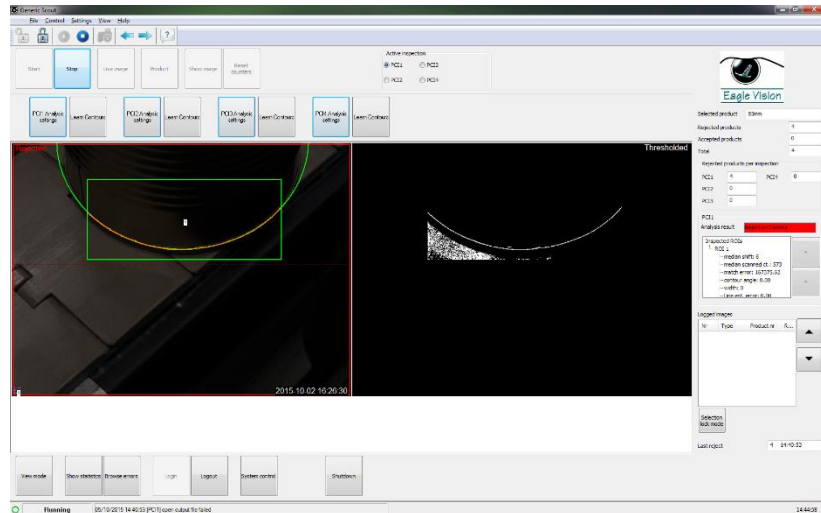
Reject examples:

Example 1:

Deviation in seam approximately 0.2mm. This is about as sensitive as possible, depending on can type and diameter



Analysis in user interface

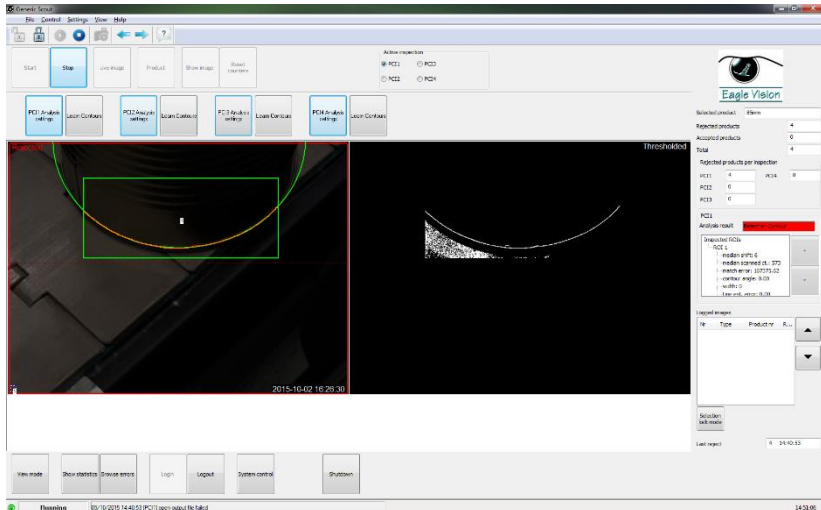


Example 2:

Deviation in seam approximately 0.4mm



Analysis in user interface



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Example 3:
Large defect



Analysis in user interface

Example 4:
The defect size is 1.1mm



Analysis in user interface

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Accept example:

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