

Turnkey Systems

TrayInspector

Automated inspection system for returnable crates/trays

Checks the crates with high precision and high speed.

Detects defects and logs the results.

FEATURES

- High speed inspection: 4000 crates/hour
- Scalable performance
- Rejected and sorted by defect type
- Adaptable to existing production lines
- Easy maintenance
- Real-time production statistics
- Crate defect detections:
 - Label residue
 - Residue inside crate
 - Cracks, broken, deformations
 - Damaged corners
 - Damaged or missing bail arm
 - Bail arm in wrong position

BENEFITS

- Fewer product claims, fully automated quality control on your produce
- Downtime eliminator increases your production
- Captured statistical information will provide you with production intelligence
- Full scalability depending on your performance requirements
- Increase of quality levels on products
- Reduces costs
- Quick return of investment

Image
Control
We check it ✓



Why risk shipping defective crates/trays?

TrayInspector verifies that your trays and crates are free from label residue, deformations and defect bail arms.

The system can be fitted into your existing production line with a conveyor speed up to 2 meters per second and 4000 crates per hour.

Well-proven in tough environments

TrayInspector is built to withstand the demanding environment in the washing facilities that handles returnable crates.

Image Control has developed TrayInspector for more than 10 years for the Swedish industry and covers the Swedish market.

This made a reliable and rapid system that delivers realtime statistical data to improve your production.

Vision Systems and Automation Solutions

Turnkey Systems

TrayInspector

OPTIONS

- WatchDog
- DataMine statistical module
- Inspection speed scalable to requirement
- Connection to SCADA
- Scalable performance
- Rinse Pattern



Technical Specifications

Capacity	Up to 4000 crates/hour
Field of view	Depending on application
Sensors	3D, 2D depending on application
User interface	Touch screen
Power	230VAC 10A
Humidity	Designed for washing plants
Communication	Digital, serial, customized on demand
Service	Remote control
Dimensions LxHxW	1800x1800x2500 mm depending on design

Swedish company Image Control Systems AB develops and manufactures standard and tailored solutions for the Swedish and international industry. We are dedicated to the delivery of high quality, customer friendly and sustainable systems. When you need to improve your products quality - We check it!

How does it work?

1. After being washed the crates are transported through the TrayInspector system. The crates are separated to enable both front and backside inspection.
2. The crates are inspected during transport through the system. TrayInspector verifies that the crates are free from label residue, deformations and defect bail arms and that bail arms are in correct position.
3. Data from the inspection is compared with the preset tolerances, if a defect is found the system signals to the reject station to remove the crate from the conveyor.
4. The crates and systems condition is logged to a local database.
5. Operating data on crates can be presented and reported graphically by our software DataMine.

The following data can be displayed:

- Different defect types within the chosen time span, product and system.
- Label residue position on the different crate sides.

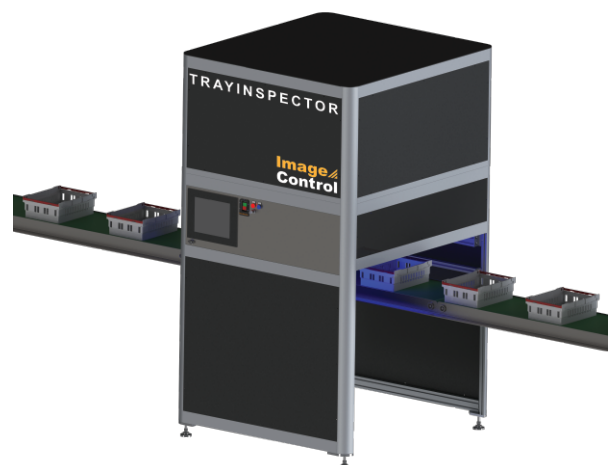


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