

Turnkey Systems

PalletInspector

Automated inspection system for returnable pallets

Checks the pallets with high precision and high speed.

Detects defects and logs the results.

FEATURES

- High speed inspection:
Standard 1500 pallets/hour
- Scalable performance
- Rejected and sorted by defect type
- Adaptable to existing production lines
- Easy maintenance
- Real-time production statistics
- Pallet defect detections:
 - Plastic/paper residue
 - Cracks
 - Spray/paint residue
 - Protruding nails
 - Missing, broken or dislocated boards or blocks

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
- Reduced costs
- Quick return of investment

Image 
Control
We check it ✓



Why risk shipping defective pallets?

PalletInspector verifies that your pallets are free from residue, deformations and defects.

The system can be fitted into your existing production line. Standard inspection speed is 1500 pallets per hour, other speed is available on request.

Well-proven in tough environments

PalletInspector is built to withstand the demanding environment in the production facilities that handle returnable pallets.

PalletInspector is based on Image Control's well-proven system TrayInspector for tray/crate inspection modified for pallets, scalable to adapt to your needs concerning performance and budget requirements.

Vision Systems and Automation Solutions

Turnkey Systems

PalletInspector

OPTIONS

- Inspection of plastic pallets
- Vertical or horizontal transport
- Inspection speed scalable to requirement
- Statistical feedback
- Connection to SCADA
- Scalable performance



Technical Specifications

Capacity	Standard 1500 pallets/hour
Field of view	Standard EU-pallet
Sensors	3D, 2D depending on application
User interface	Touch screen
Power	230VAC 10A
Humidity	Designed for washing facilities
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. The pallets are transported by your existing conveyor system through the PalletInspector. The pallets must be separated to enable front and backside inspection.
2. The pallets are inspected during transport through the system. PalletInspector verifies that the pallets are free from residue, deformations and defects.
3. Data from the inspection are compared with the preset tolerances, if a defect is found the system signals to the reject station to remove the pallet from the conveyor
4. Information on defects is stored on a local database.
5. Operating data on pallets 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.
- Residue and defects position can be shown on an image of the pallet.

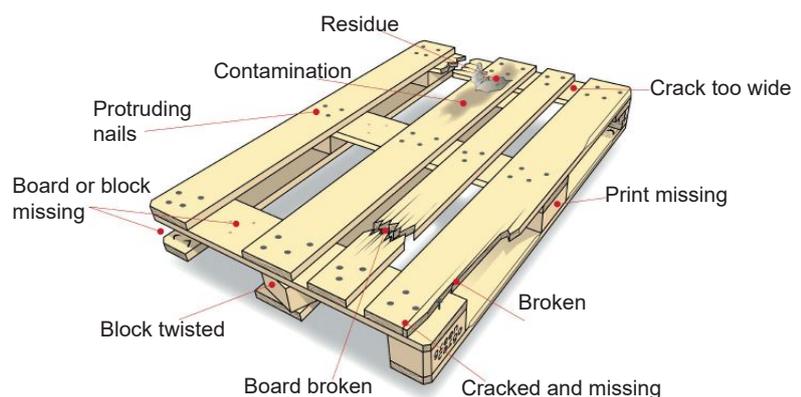


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