

Tablet Dispenser



Automatically eliminate defects in tablet dispensers with an advanced JLI vision inspection system.

Tablets are fed into the dispenser and packaged automatically. In the last operation the transparent lid is mounted. When the finished dispenser leaves the machine three colour cameras inspect the dispensers.

Each tablet is located and the colour is determined. The tablet position in the groove is measured and thereby turned-over or broken tablets are found. Debris from broken tablets in the dispenser is found. The last inspection checks the position of the plastic lid and finds cracks and other damage in the transparent surface.

The tablet inspection is dynamic and tolerates the natural variation in the tablet colour without making false rejects. A large diversity of colour tables can be inspected. When new a variant is introduced, the system will check 30 fault free dispensers and calculate the colour data. The system rejects defective dispensers and collects statistical data.

Features

- Integrated into packaging machine
- Compact design
- Automatic operation - no operator input is needed
- Easy set up for new dispenser models
- Internet connectivity for easy support
- Comprehensive production data

General

Speed:	3 dispensers/s
Cameras:	3 high resolution colour
Dispenser size:	50 mm (more on request)
Operating temperatures:	+5° C to +40° C
Humidity:	20-80% non condensing
Power:	110V, 60Hz or 230V, 50Hz
Lamp life:	>3 years
Computer:	Industrial vision PC's
Monitor:	21" flat screen
Dimensions: W x H x D	On request

Measurements

Tablet position and completeness:	>0,1mm precision Detect broken tablets
Tablet colour:	Detect wrong colour i RGB images
Dispenser dimensions:	>0,1mm precision Detect broken dispenser

Interface

Vision input/output:	Digital signals and network connection to database.
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Typical image of a tablet dispenser.

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.