

GlueScan™ AOI

"Adhesive Dot Inspection System"



WHAT IS GlueScan?

GlueScan provides a simple and user-friendly alternative to inaccurate and time-consuming manual inspection methods or expensive, high-end AOI systems. GlueScan uses a simple Windows user interface integrated with an automatic table and image-processing unit. This combination allows 100% inspection of adhesive placement on PCBs after dispensing.

HOW DOES GlueScan WORK?

GlueScan's integration within the production line provides 100% verification of absence and presence of glue dot dispensing before entering the placement environment.

Each PCB or substrate is placed from the dispensing or printing machine into GlueScan for 100% inspection. The PCB is then accepted and shuttled to the surface mount machines or rejected. No more surprises!

QUICK & SIMPLE PROGRAMMING

GlueScan a golden board to verify absence or presence of wet adhesive glue dots.

INCREASED YIELD & IMPROVED OVERALL EQUIPMENT EFFICIENCY

GlueScan's powerful inspection process increases product yield by ensuring accurate dispensing placement. Thus, assisting with secure component placement and eliminating potential damage to nozzles and other delicate placement machine elements. Missing adhesive can result in very expensive equipment repairs, lost production time and extensive rework.

Missing glue dots are now automatically detected. Problems are detected and eliminated before boards are placed into production!

SIMPLICITY

GlueScan set up is fast and easy. In production, each board passes through on the conveyor; it is automatically aligned and checked for accuracy with a PASS or FAIL inspection in seconds.

WHY USE GlueScan?

- **Mandatory:** 100% automatic inspection of adhesive dots after dispensing or printing.
- **Security:** Confirm glue dot absence/presence.
- **Necessity:** Detect errors before damaging down line machines.
- **Flexibility:** Inspect a wide variety of board sizes and shapes.

DESKTOP MODULE for Off-line Inspection System Specifications

- Maximum Board Size: 18" X 24" (45.7cm X 61.0cm)
- Maximum Inspection Area: 16.5" X 22" (41.9cm X 55.9cm)
- Length: 41" (104.1cm) --- Width: 29" (73.7cm)
- Height: 18" (45cm) --- Weight: 150lbs. (55.95kg.)
- Golden board required for programming

Computer Requirements* for Desktop module:

- Pentium (3GHz or higher)
 - 80 GB HD, 2 GB RAM
 - CD-RW
 - Monitor, Printer
 - Win XP Service Pack 2
 - 2 available USB ports
- *Recommended minimum requirements
For customer-supplied PC
minimum PC requirements



CONVEYOR MODULE for In-line inspection

System Specifications

- Maximum Board Size: 18" X 20" (457mm X 508mm)**
 - Minimum Board Size: 2" x 2" (50mm x 50mm)
 - Maximum Inspection Area: 16.5" X 20" (419mm X 508mm)
 - Resolution: 400/1000/2000/3200*/4800* dpi
 - SMEMA Interface
 - CE Certified
- *Reduced Scanning area for 3200 &
** XL size conveyor

Footprint

- Length: 41.7" (1060mm)
- Width: 42.9" (1089mm)
- Height: 57" (1450mm) excluding light tower
- Weight: 330lbs. (150kg)



(All specifications and designs subject to change without notice.)



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