

PrintScan-SPI™

"Solder Paste Inspection"



WHAT IS PrintScan-SPI?

PrintScan-SPI provides a simple and user-friendly alternative to inaccurate and time-consuming manual inspection methods or expensive, high-end AOI systems. PrintScan-SPI uses a simple Windows user interface integrated with an automatic conveyor and image-processing unit. This combination allows 100% inspection of printed solder paste.

HOW DOES PrintScan-SPI WORK?

PrintScan-SPI provides 100% 2D non-contact verification of bridging, paste on pads, and the total area of solder paste before adding further value to the PCB. PCBs or substrates are placed from the dispensing or printing machine into PrintScan-SPI for 100% inspection.

In-Line: The PCB is then accepted (PASS) and shuttled to the surface mount machines or rejected (FAIL).
Off-Line: The results of the inspection show a 'PASS' or a 'FAIL' with any possible errors shown as white error crosses.

QUICK & SIMPLE PROGRAMMING

PrintScan-SPI is quickly programmed from a golden part.

INCREASED YIELD & IMPROVED OVERALL EQUIPMENT EFFICIENCY

PrintScan-SPI's powerful inspection process increases product yield by ensuring accurate solder paste printing, thus, assisting with high yields and minimal rework and/or scrap. Missing or defective solder paste can result in lost production time and extensive rework. PrintScan-SPI eliminates operator fatigue and tedium from the inspection task, and automatically verifies 100% of the paste. Missing, paste off pad, bridging, and over/under print area solder paste defects are now automatically detected. Problems are found and eliminated before value is added to defective parts.

SIMPLICITY

PrintScan-SPI 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.

No more surprises!

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



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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