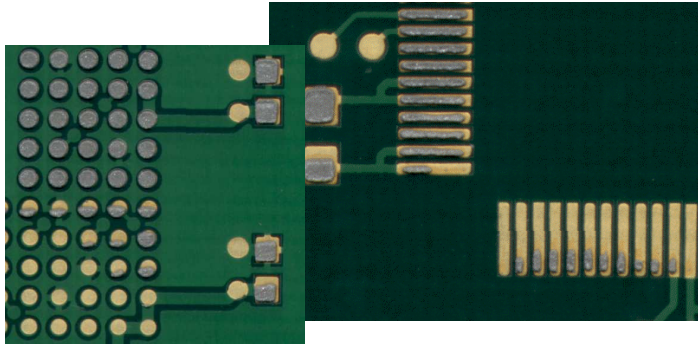


# ScanEYE SPI™

"Solder Paste Inspection"



## WHAT IS ScanEYE SPI?

ScanEYE SPI provides a simple and user-friendly alternative to inaccurate and time-consuming manual inspection methods or expensive, high-end AOI systems.

ScanEYE 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 ScanEYE SPI WORK?

ScanEYE 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.

Each PCB exits the printing machine and enters ScanEYE SPI for 100% inspection. The part is then accepted and continues on with the process or rejected for disposition. No more surprises!

## QUICK & SIMPLE PROGRAMMING

ScanEYE SPI is quickly programmed from a golden part in a few minutes.

## INCREASE YIELD & IMPROVE OVERALL EQUIPMENT EFFICIENCY

ScanEYE 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. 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

ScanEYE set up is fast and easy. In production, each board is shuttled in the system, automatically aligned and checked for defects with a PASS or FAIL inspection in seconds.

Failures are detected, logged and printed for easy analysis or rework.

## WHY USE ScanEYE SPI?

- **Mandatory:** 100% automatic inspection of solder paste.
- **Security:** Confirm solder paste on pads, total area of the paste, and detect bridging.
- **Necessity:** Detect errors before adding further value to defective parts.
- **Flexibility:** Inspect a wide variety of part sizes and shapes.



## CONVEYOR MODULE

### 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 & 4800 dpi.  
\*\* XL size conveyor

### Footprint of Inspection System

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

### COMPUTER

- Pentium (3GHz or higher) Personal Computer
- 80 GB HD, 2 GB RAM
- CD-ROM (CD-RW for archive purposes)
- Monitor (17" or larger)
- Printer
- Win XP Service Pack 2
- 2 available USB ports

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



Partners: Avytechno Indonesia,  
Techlogic Thailand, Westek Malaysia,  
Tritronics Philippines, Utama Australia



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