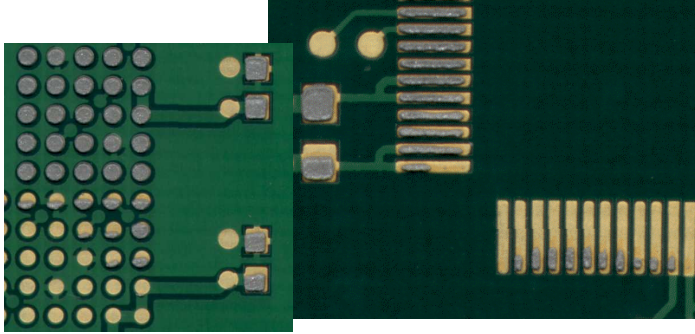


# ScanEYE SPI™

"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 a manual load table 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.

Provides offline inspection for low volume production or SPC sampling for high volume production.

Each part or substrate is placed from the printing machine into 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 placed on the table, shuttled in, automatically aligned and checked for accuracy with a PASS or FAIL inspection in seconds.

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



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## 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.



## DESKTOP MODULE

### System Specifications\*

- Maximum Assembly Size: 18" X 24" (457mm X 610mm)
  - Maximum Inspection Area: 16.5" X 22" (419mm X 559mm)
  - Resolution: 400/1000/2000/3200\*/4800\* dpi
- \*Reduced Scanning area for 3200 & 4800 dpi.

### Footprint of Inspection Unit

- Depth: 31.5" (800mm), table extended 49.5" (1,257mm)
- Width: 27.25" (692mm)
- Height: 19" (482mm)
- Weight: 150lbs. (55.95kg)

### 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

\*Recommended customer supplied minimum PC requirements.

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



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