

Process Control, Inspection, Programming, Reverse Engineering & Design Systems

Products Features:

- Process Control (Inspection)
- PCB / IC Design (EMI)
- Assembly Equipment Programming
- Reverse Engineering

SCANCAD



Product Directions:

Providing multi function, low-cost, flexible, flatbed scanner and standalone software tools primarily to the electronics industry since 1990. Over 900 systems installed in 39 countries.

Product Descriptions:

ScanEye VPI - Set up processes before the production floor or in performing sampling inspection once a product is in production. By catching PCB or Hybrid Microcircuit assembly problems before production (virtual problems), costly rework is dramatically reduced (real problems). Perform inspection at any stage of production and compare parts to CAD, Gerber and/or a Golden part. In addition, the same system can be used to program SMT assembly equipment and create component vision (Part Definition) files.

MaskInspector - Compare stencils to Gerber files, stencils to boards, as well as create Gerber files from boards or artwork (automatic vectorization). Validate stencils and screens after fabrication and cleaning. Inspect incoming or outgoing stencils.

ScanEye Paste - Identify excess and voids of screened/printed conductor, resistor and dielectric materials on substrate for hybrid, LTCC, MLCC or HTCC applications.

ScanEye Glue - Confirm adhesive, epoxy or paste placement (absence/presence) on PCBs after dispensing or printing.

ScanEye Mark - Detect skip marks on multi-up panels and send information to placement equipment to prevent population of bad boards.

ScanEye Film - Compare film or phototool to Gerber data as well as geometry inspection to check for shorts, opens, mousebites, pinholes, etc.

ScanEye Hole - Verify laser drilled or punched via holes and slots in green tape and fired ceramic substrates, laminates and other machined materials to Gerber data.

EMISream - Use CAD data during the PCB design stage to simulate emissions and make adjustments "before" reaching the prototyping stage resulting in much faster product to market and lower new product costs. Leading edge technology for Power/GND Resonance Analysis and EMI checking.

ScanProgrammer - Generate assembly programs off-line for surface mount, insertion, test, inspection and dispensing machines from bare boards or artwork. Scan components and generate measurement data automatically for component libraries. Compare loaded/bare boards, wet solder paste, wet adhesive and/or existing assembly programs to Gerber data and CAD data.

CompoBuilder - Scan components, trays, nozzles, etc and generate measurement data automatically for component libraries. No more calipers!

PCB Builder - Produce PCB fabrication Gerber and drill files from bare boards and/or artwork for PCB design and reverse engineering applications.



Partners: Avytechno Indonesia,
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