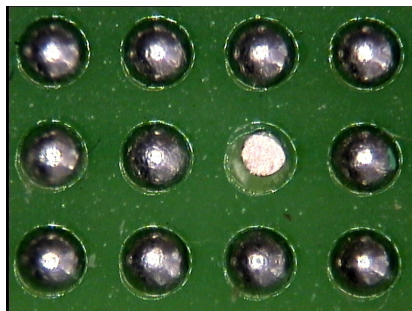


ScanINSPECT BPI™

"Ball Placement Inspection"



0.3 mm balls

WHAT IS ScanINSPECT?

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

ScanINSPECT uses a simple Windows user interface integrated with an image-processing unit. This combination allows 100% inspection of ball or bump placement on a wide variety of substrates and device types including FR4, Ceramic, Wafer, Flip chip, BGA, CSP, etc. The system can be used either pre or post reflow.

HOW DOES ScanINSPECT WORK?

ScanINSPECT's integration within the production environment provides inspection of ball or bump:

- Presence/Absence
- Size
- Position

Each device or substrate is placed into ScanINSPECT for 100% inspection. The balls or bumps are inspected and any errors are displayed on the screen. No more surprises!

FAST & SIMPLE PROGRAMMING

ScanINSPECT is quickly programmed from a golden part in a few minutes. Corrections to the golden part can be quickly and easily made, if necessary.

INCREASE YIELD & IMPROVE OVERALL EQUIPMENT EFFICIENCY

ScanINSPECT's powerful 100% inspection process increases product yield by ensuring accurate ball or bump placement. Missing balls or bumps can result in reduced yield, lost production time and extensive rework.

Missing or misplaced balls or bumps are now automatically detected. Problems are identified and eliminated before substrates or devices are reflowed, permitting quick and easy rework.

SIMPLICITY

ScanINSPECT set up is fast and easy. In production, each device or substrate is placed on the table, shuttled in, automatically aligned and checked for accuracy with a PASS or FAIL inspection in seconds.

WHY USE ScanINSPECT?

- Mandatory: 100% automatic inspection of ball or bump placement, pre and/or post reflow.
- Security: Confirm ball/bump absence / presence.
- Necessity: Detect errors before reflow permitting easy rework.
- Flexibility: System is tailored to meet specific customer's requirements.



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
- SMD Interface
- CE Certified
- *Reduced Scanning area for 3200 & 4800 dpi.
- ** XL size conveyor

Computer

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

Requirements

- Power Supply: 230V / 50 Hz or 110V / 60 Hz (jumper selectable)
- Power input: 0,75kW

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.)



12779 W. Belleview Ave.

Littleton, CO. 80127 USA

T: 303.697.8888 F: 303.697.8580

E: info@scancad.com www.scancad.com