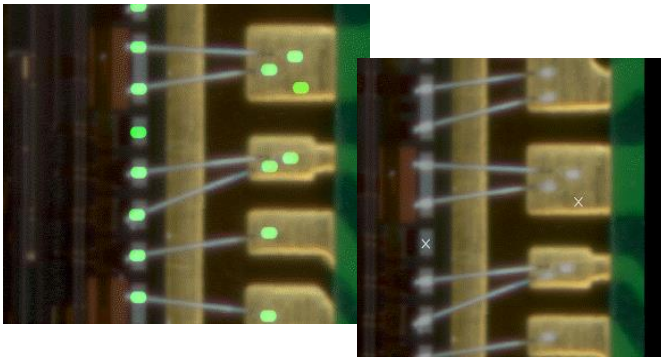
ScanINSPECT WBI™

Wire Bond Inspection



WHAT IS ScanINSPECT WBI?

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

ScanINSPECT WBI uses a simple Windows user interface integrated with a manual load table and image-processing unit. This combination allows 100% inspection of presence/absence of wire bonds.

HOW DOES ScanINSPECT WBI WORK?

ScanINSPECT WBI provides 100% 2D non-contact verification of absence / presence of Al or Au wire bonds before adding further value to the assembly. Inspection can be done for low volume production or SPC sampling for high volume production.

Each part or substrate is placed from the wirebonder into ScanINSPECT WBI for 100% inspection. The part is then accepted and continues on with the process or rejected for disposition. No more surprises!

QUICK & SIMPLE PROGRAMMING

ScanINSPECT WBI is quickly programmed from a golden part in a few minutes.

INCREASE YIELD & IMPROVE OVERALL EQUIPMENT EFFICIENCY

ScanINSPECT WBI's powerful inspection process increases product yield by ensuring accurate wire bond placement. Thus, assisting with high yields and minimal rework and/or scrap.

Missing wire bonds can result in lost production time and extensive rework. WBI eliminates operator fatigue and tedium from the inspection task, and automatically verifies 100% of the bonds.

Missing wire bonds are now automatically detected. Problems are logged and eliminated before more value is added to defective parts.

SIMPLICITY

ScanINSPECT WBI set up is fast and easy. In production, each board is placed on the inspection table, scanned, and automatically aligned and checked for accuracy with a PASS or FAIL inspection in seconds Failures are detected, logged and printed for easy rework identification.

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WHY USE ScanINSPECT WBI?

- Mandatory: 100% automatic inspection of wire bonds.
- Security: Confirm wire bond absence / presence.
- 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*

- Multi Core Processor - 3 GHz
- 1 TB 7200 RPM HD, 8 - 16 GB RAM
- Flat Panel Monitor
- Ethernet Connection
- Windows 10 64-Bit w/ 2 avail. USB2 or USB3 ports

*Recommended customer-supplied minimum PC requirements.

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

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