

FEATURES

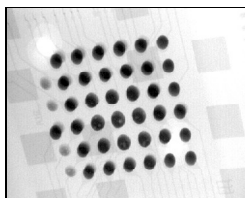
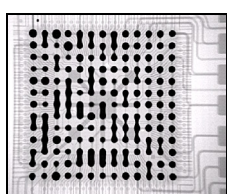
- High-resolution real time X-RAY inspection
- 18" x 24" large sample board handling tray
- 80 kV micro focus sealed tube design
- 35 micron circular focal spot (auto adjusting w/power)
- Flexible and easy to operate
- Touch panel interface
- Rotation sample fixture
- Windows NT based image processor system
 - AIP™ Adv. Image Processing Software
 - with Algorithm Meas. Library

Options:

- Laser Pointer for inspection point
- Barcode Scanner

APPLICATION

- BGA Short Inspection
- BGA/μBGA Inspection



- SOIC Inspection
- Wire Bond & Die Attach

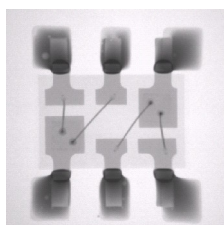
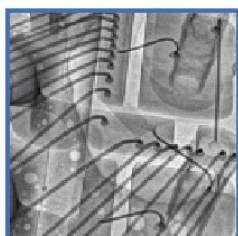


IMAGE PROCESSING

AIP 2 Hardware

- Embedded Pentium PC-Station
- Windows-XP™ Operating System
- Matrox™ Framegrabber
- Ethernet network connection

AIP 2 Advanced Software Library

X-AIP Software includes:

- Windows based user interface
- Easy-to-use macros for inspection sequences
- Frame averaging and quad view analysis
- Wide range of image enhancement and analysis tools. I.e., specific tool sets for BGA, Flip Chip and Chip scale packaging inspection, including % voiding and drill offset.
- Modules for enhanced measurement capability
- Image storage and retrieval CD writer or network.



VJE 15LP

Inspection Area:
18" x 24"



SPECIFICATIONS

Physical Dimensions

Dimensions 74.75" (H) x 60" (W) x 56" (D)
 160cm (H) x 152.4cm (W) x 142.24 cm (D)
 Footprint 23.33 sq. ft. (2.17 sq. m)
 Weight 1300 lbs. (590 kg)
 Table Load Height 34" (66.4 cm)
 Safe Operating Temperature 32° to 99° F (0 to 40° C)
 Power Consumption 1000 watts
 Line Voltage 110 VAC/ 60 Hz; 230 VAC/50 Hz

X-Ray Source

Energy 30-80 kV standard
 Power multi watt settings (20W max)
 Focal spot size 35μ circular (auto adjusting w/power)
 X-ray tube orientation End-window sealed X-ray tube

Image Detector

Detector Type 4" (10cm) X-ray image intensifier
 Camera CCD, 512 x 480 pixels with zoom lens
 Video Output RS-170 (NTSC)
 Video Display High-resolution 17" SVGA Color Monitor
 Printer Plain paper color printer

Image & Inspection Performance

Max. Inspection Area 24" (X) x 18" (Y)
 Max. Field of View continuously variable (up to 1,25" w/zoom)
 Spatial Resolution >12 lp/mm at maximum magnification (mit FOV)
 Magnification >50X at maximum usable zoom setting

Safety / Regulatory

Full safety, interlocked enclosure. Complies with all U.S. and International standards for cabinet radiography systems. CDRH directives / CE compliant.

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