

VUE 250-P NEXGEN SCANNING ACOUSTIC MICROSCOPE

Semiconductor Package Failure Analysis
voids · disbonds · cracks · delamination · internal defects

Customer Interface

Dual 22" HD LED Monitors

Fixtures

Open Tank Bed

Instrumentation

Digital Pulsar Receiver
Digitizer (Max 4 GHz)

User Experience Elements

HD LED Lighting
Stainless Steel Tank

Maintenance Free Scan Axis

Motor: Linear Servo
Max Velocity: 500 mm/s
Accuracy & Repeatability: +/- 1.0 micron
Scan Envelope: 322.6 mm

Low Maintenance Step Axis:

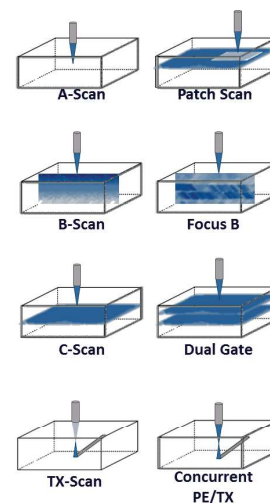
Step Envelope 136 mm

Low Maintenance Focus Axis:

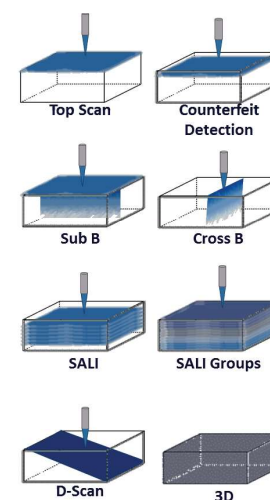
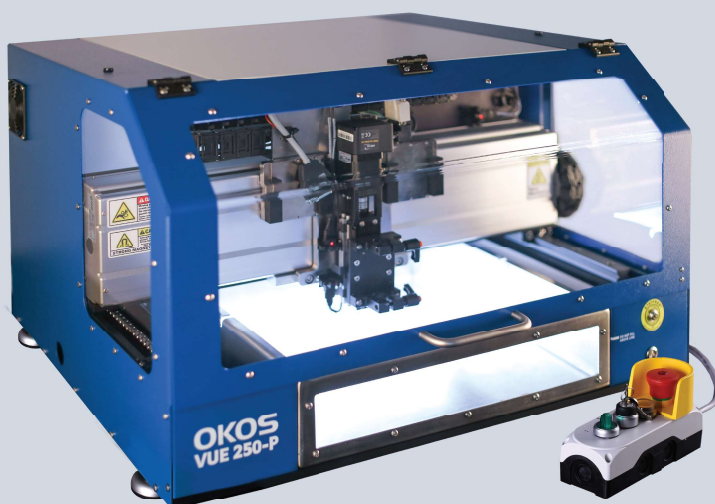
Focus Envelope 35 mm

Dimensions:

700 mm x 560 mm x 470 mm (W/D/H)
81 kg



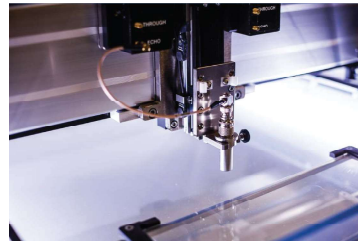
Full Jedec Tray Inspection



VUE 250-P NEXGEN SCANNING ACOUSTIC MICROSCOPE

Included Software Modes:

- Basic (user friendly)
- Advanced (detailed analysis)
- Production (automated scanning)
- Off-line Analysis (virtual scanning)



OKOS Digital Imaging System (ODIS)



VUE 250-P imaging power surpasses modern standards delivering premium FA Lab features to semiconductor fabrication facilities. ODIS is the latest Acoustic Microscopy software with rich technical content built on current platforms and industry feedback. It includes both time domain and frequency domain imaging in real-time. Advanced analysis is provided through quantitative tools for measurement and classification of parts.

The Analysis version of ODIS allows non-scanning computers to virtually scan, view, and analyze data for simultaneous real-time analysis or post collection review. Supplied with your choice of Windows 7 or 10.

- Counterfeit Detection
- Product Inspection
- Product Reliability
- Quality Control
- Process Validation
- Failure Analysis
- Vendor Qualification
- R&D

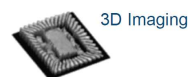
Application Specific Transducers for the highest quality resolution.

Multiple transducer design for enhanced scan capability.

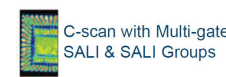


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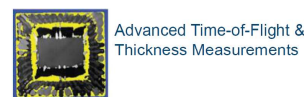
3D Imaging



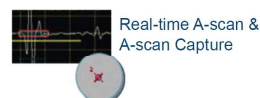
C-scan with Multi-gate
SALI & SALI Groups



Frequency Domain
Imaging (FFT)



Advanced Time-of-Flight &
Thickness Measurements



Real-time A-scan &
A-scan Capture



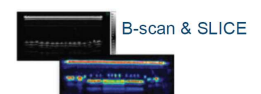
Void Gating
(real-time)



Cluster Analysis
(post processing)



Threshold Mapping
(post processing)



B-scan & SLICE