

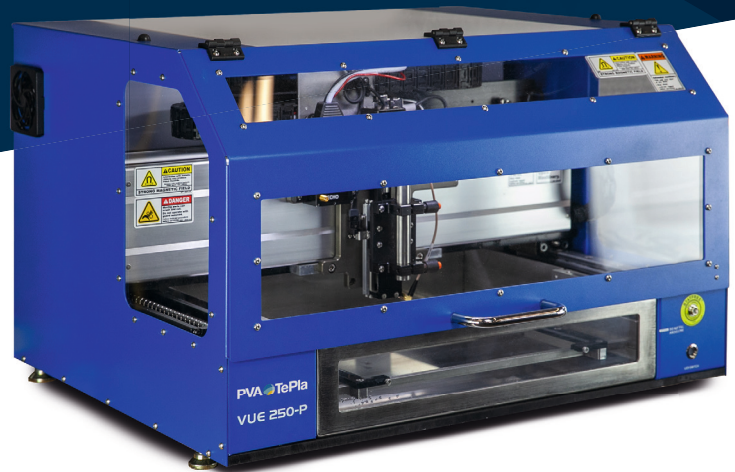
SCANNING ACOUSTIC MICROSCOPY

VUE 250-P

COMPACT YET PRECISE.

PVA TePla

Our compact high-resolution scanning acoustic microscope for inspection and failure analysis. Reliably detecting voids, disbonds, cracks, delaminations, and internal defects, fully non-destructive, with micron-level accuracy.



FEATURES AT A GLANCE



High accuracy & repeatability

Linear Servo drive, max velocity 500 mm/s, accuracy and repeatability ± 5.0 micron — maintenance-free scan axis



Full Jedec Tray Inspection

Scan Envelope 322.6 mm · Step Envelope 136 mm · Focus Envelope 35 mm — designed for complete tray-level inspection workflows



Fully non-destructive process

Acoustic imaging preserves sample integrity — ideal for high-value and production-critical components



Comprehensive scanning modes

A-Scan, B-Scan, C-Scan, TX-Scan, 3D Imaging, SALI, Dual Gate, Counterfeit Detection and more — all in one system



Application-specific transducers

Engineered for highest resolution — multiple transducer designs for enhanced scan capability across the full ultrasonic spectrum



ODIS Software — powered by intelligence

Advanced data-driven analysis: void gating, cluster analysis, threshold mapping, realtime A-scan, B-scan & SLICE, and Time-of-Flight & thickness measurements



MORE INFORMATION? – GET IN CONTACT!

PVA TePla | OKOS

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PVA TePla

TECHNICAL PARAMETERS



Every detail matters. The VUE 250-P-NexGen is engineered for high-precision acoustic inspection — trusted across energy, aerospace & defense, automotive, semiconductor, and medical industries.

SPECIFICATIONS	
Scan Envelope	322.6 mm
Step Envelope	136 mm
Focus Envelope	35 mm
Motor	Linear Servo
Max Velocity	500 mm/s
Accuracy & Repeatability	1 to 5 micron resolution (configuration based)
Scan Axis / Step & Focus Axis	Linear Servo Scan Axis / Precision Ballscrew Step and Focus Axes
Instrumentation	Digital Pulser Receiver · Digitizer (Max 4 GHz)
Customer Interface	Dual 22" HD LED Monitors
UX Elements	■ Single JEDEC Tray ■ HD LED Lighting ■ Stainless Steel Tank
Fixtures	Open Tank Bed
Dimensions	700 × 560 × 470 mm (WxDxH)
Weight	81 kg
SCANNING MODES	
A-Scan	Real-time waveform display & capture
B-Scan / Focus B / Sub B / Cross B	Cross-section & slice imaging
C-Scan	Planar top-down images
Patch Scan	Region-of-interest scanning
TX-Scan	Through-transmission imaging
Concurrent PE/TX	Simultaneous pulse-echo & transmission
Dual Gate	Multi-layer gating
SALI & SALI Groups	Multi-zone inspection
D-Scan	Depth-selective imaging
SOFTWARE ODIS INSPECTION & ANALYSIS FEATURES	
User modes	■ Basic (user friendly) ■ Advanced (detailed analysis) ■ Production (automated scanning) ■ Off-line Analysis (virtual scanning)
3D Imaging	Full volumetric reconstruction
Off-line Analysis	Virtual scanning & post-collection review on any computer

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