



OKOS Industrial Ultrasonic Non-Destructive Testing

Semiconductors Package Failure Analysis

Voids | Disbonds | Cracks | Delamination | Internal Defects



MODEL NDT CF-300

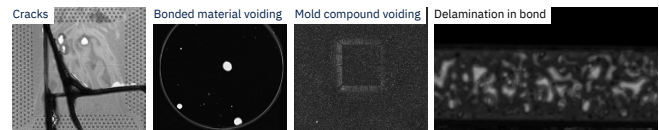
Your solution to detect internal material defects which are not visible to the eye. Equivalent method as using ultrasound used **to detect baby in the womb**, it is a non-destructive test (NDT) method using **Acoustic Sound waves (ultrasound)** to detect & measure the presence of defect.

WHY CHOOSE US?

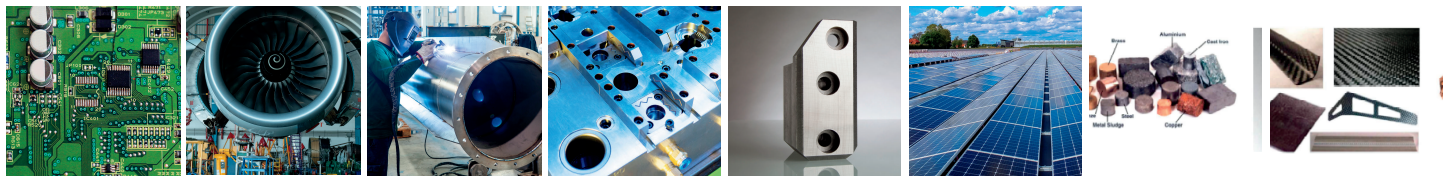
- ✓ We are the premier solutions provider of SAM systems and instrumentation worldwide.
- ✓ We offer over 15 flexible and ready-to-use systems and components.

New technology enables OKOS to detect **defects from 1mm down to as small as 20 microns** in metals & alloys!

What are the defects it can detect?



From small to large or cylindrical to flat samples. OKOS has been customizing for the ever-growing custom manufacturing market in key industries as below:



ABOUT NDT CF-300

- X,Y and Z linear axes
- Scan Envelope 300mm x 300mm x 150mm
- Optional Turntable
- Optional Through Transmission Yoke
- Optional Gimbal
- 360 Degree View Acrylic Tank
- Optional linear servo on X axis
- 12-bit dynamic range instrumentation
- High gain Pulser/Receiver
- Hardware TGC/DAC control
- Application-specific transducers
- Full-featured NDT scanning software
- Off-line Analysis



For more info, visit www.qesnet.com or email us at marketing@qesnet.com



Machine configured based on different material shapes & sizes:



MODEL VUE-250 TABLETOP MODEL FOR SIMPLE LAB-SCALE USAGE

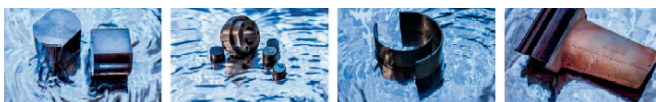


ODIS WINSAM SOFTWARE ACOUSTIC MICROSCOPY IMAGER



ODIS WinSAM is the latest Acoustic Microscopy software with rich technical content built on current platforms and industry feedback.

The software provides advanced analysis through quantitative tools for measurement and classification of parts.

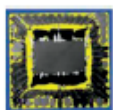


- Multi Axis scan options
- A,B and C-scans
- Off-line analysis
- Highly customizable software
- Contour following
- Virtual rescanning

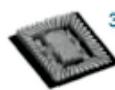
Feature	ODIS	Others
Ultra Large Scans (up to 40 GB)	✓	x
Ultra High Rep Rate (up to 30 KHz)	✓	x
90 Simultaneous Gates/Channel	✓	x
Multiple Gates on Multiple Channel	✓	Limited
Image Analysis	✓	✓

Advanced Software Controls for Engineers

B-scan & SLICE Imaging



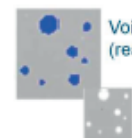
Advanced Time-of-Flight & Thickness Measurements



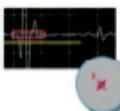
3D Imaging



Threshold Mapping (post processing)



Void Gating (real-time)



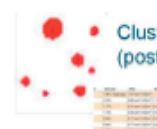
Real-time A-scan & A-scan Capture



C-scan with Multi-gate SALI & SALI Groups



B-scan & SLICE



Cluster Analysis (post processing)



For more info, visit www.qesnet.com or email us at marketing@qesnet.com