

ISO 9001:2008 Certified

Phased Array Ultrasonic Inspection

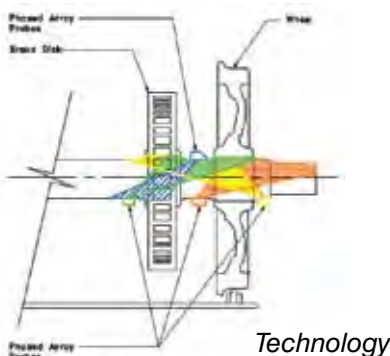
ECE Global provides Phased Array Ultrasonic Testing (PAUT) for detection of indications without the safety concerns involved with radiography. PAUT increases the probability of detection and can accurately locate and size indications which may be undetectable using radiographic methods. PAUT offers the reliability of repeatable services and eliminates the evacuation of areas because of radiation, providing a safe work area for others.

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ECE Global

**Your Global Partner in Engineering, Quality and Safety Compliance
Design – Fabrication – Inspection – Certification**

Our highly trained staff has years of experience and knowledge in many different industries and is well versed in other NDE methods as well. Our staff of experts provides hands-on experience, superior knowledge, and utilizes the latest technology.

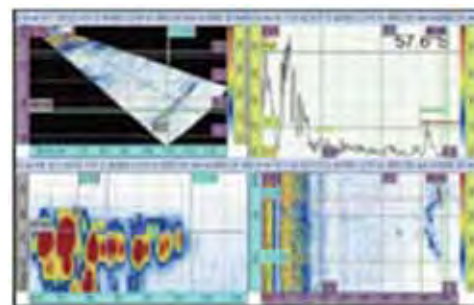


Quality

- Accurate location and sizing of defects
- Code compliant with ASME, API, AWS, EN
- 3D volumetric imaging of defects
- Real time data acquisition, collection and storage
- Scans can be saved as digital files in different media types
- Identify reductions of material due to corrosion, erosion or wear

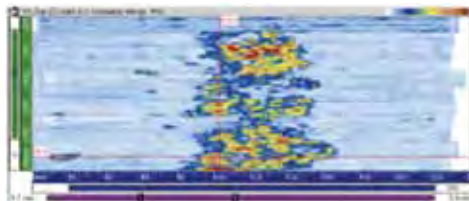
Safety

- Eliminate radiation “safety zones”
- Increase probability of detection leads to reduction of risk of critical equipment failure
- Smaller crews mean fewer opportunities for human error
- More welds are inspected at the same time compared to the RT method, allowing for a more comprehensive inspection plan



Productivity

- Full coverage of a weld or processed assembly during in-service inspections
- Results can be viewed immediately which eliminates the delays of RT film development
- Immediate re-inspection of repairs eliminates the additional time required for RT reshoots
- In-Service Inspections via UT PA allows for less interruptions and high quality detectability of potential service related defects via corrosion mapping, crack detection, thinning, and more.



ECE understands what you expect - flexibility and customized solutions!
We can change and adapt with your evolving needs because of the knowledge, experience, and passion of our staff.