Echomac® PA Wheel Tester

Robust, Cost Effective UT Phased Array System for In-Service Rail Wheel Tread Inspection
Convenient Accurate Inspection of Wheel Treads

MAC’s new Echomac® PA Wheel Tester is a cost-effective solution for wheel tread inspection or as a prove up tool for shops using automated inspection systems. The test is conducted with a phased array probe incorporated in a hand held mechanical fixture, designed to ensure stable coupling using “bubbler” immersion techniques. Integrated magnets hold the fixture on the tread and provide easy handling.

Echomac® PA Wheel Tester Features

- 19” Touch Screen
- Step by Step screens for the operator
- Bar Code Entry and auto select setup
- Alarm for loss of interface, backwall drop, defect detection. (Visual, Audio and On screen)
- C-Scan imaging of test results (Top View)
- Position Encoded C-scans to locate defects on the wheel circumference
- Offline Data Analysis software for Level 3
- Digital inspection data can be saved per wheel serial number for future reference.
- 128 element phased array probe, local immersion coupling
- Meets or exceeds national and international standards like EN13262, ISO5948 or AAR M-107/M-208
- Rim inspection radial (Tread) Per EN 13262 with defect sizes of 1,2,3 mm FBH and untested depth of 5mm* while complying with ISO 5948.
- Compatible with European or US wheel tread geometries
- Handles Wheel diameters 650 - 1350 mm

*Needs to be forged wheel with good surface finishing

The new Echomac® PA Wheel Tester is designed and manufactured by Magnetic Analysis Corp., a US based leader in supplying NDT instruments, systems and service for over 90 years.

www.mac-ndt.com