

Dependability Quality



TECHINCO

CORROSION & NDT MANAGEMENT

Technical Inspection &
Corrosion Control Company
Since 1994

ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007, IMS

Other Asset Integrity Management Tools

- Risk-Based Inspection (RBI)
- Reliability Centered Maintenance (RCM)
- Hazard and Operability Study (HAZOP Study) and Safety Integrity Level (SIL Study)
- Fitness For Service (FFS)
- Failure Mode, Effect and Criticality Analysis (FMECA)
- Fault Tree Analysis (FTA)
- Material and Coating Selection
- Corrosion Monitoring and Controlling System
- Cathodic Protection

Certified By:



Membership of:



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R-Scan Lite



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WHEN YOU NEED

ULTRASONIC B-SCAN IMAGING

Address: No. 18, Kooh-e-Noor St., Motahari Ave., Tehran, Iran

R-Scan Lite

R-Scan Lite



The **R-Scan Lite** is a portable ultrasonic B-Scan profile imaging system. The system can be used on ferrous plate or pipe from 50mm diameter to flat. The maximum surface temperature the **R-Scan Lite** system can continuously operate on is 80°C.

Magnetic wheels fitted to the **R-Scan** to ensure the scanner adheres to the inspection surface. Inspection results can be viewed in real time in the field or recalled for post inspection analysis at a later date.

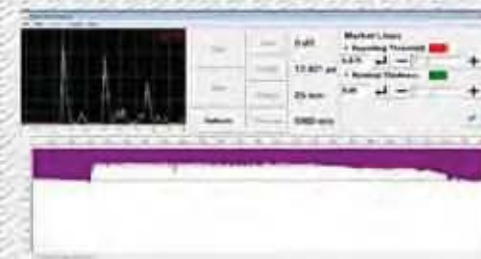


The **R-Scan Lite** scanning head incorporates dry coupled wheel probe. The dry-coupled wheel probe is constructed from a twin element 5Mhz transducer, mounted inside solid tyres. The wheel probe tyres are able to transmit the Ultrasonic sound wave from the transducer into the material under test in the same way as a liquid or gel couplant. This completely eliminates the need for a water supply when using the **R-Scan Lite** and allows the system to be used in even the most remote locations.

The **R-Scan** scanning head is fitted with an optical encoder to provide accurate positional information for recorded scan data. Magnetic scanner wheels assist while scanning vertically or while inverted and minimise the possibility of encoder slippage. The scanner is suitable for both plate and pipe from 50mm diameter to flat.



The **R-Scan Lite** system continuously records thickness measurements as the scanning head is moved over the inspection surface. The **R-Scan** incorporates an encoder which supplies positional information to the dedicated **R-Scan** software. The recorded thickness information is presented as an A-Scan trace, a digital thickness measurement and a B-Scan thickness profile.



The **R-Scan Lite** software features several powerful data review, reporting and printing tools. Saved data can be replayed at any time, with active A-Scan and B-Scan displays. Placing the cursor over any part of the B-Scan profile shows the A-Scan trace for that specific section of the scan to allow detailed post-inspection analysis. An adjustable reporting threshold indicator can be displayed over the B-Scan profile, to identify reportable defects at a glance and allow rapid evaluation of the complete scan.

The **R-Scan Lite** software also features several measurement tools such as vertical measure, horizontal measure, all of which can be employed to accurately measure recorded scans.

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