

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:



Pipescan



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WHEN YOU NEED

DETECTING INTERNAL CORROSION PITTING IN PIPE RUNS

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

Pipescan

Pipescan



Pipescan is a cost effective, portable, Magnetic Flux Leakage (MFL) inspection system for detection of internal corrosion pitting in pipe runs. A range of scanning heads are available allowing inspection of pipelines with outside diameters between 150 mm and 2.4 M. The **Pipescan** can be used to detect corrosion pitting in ferrous pipe with wall thicknesses from 6 mm to 15 mm.

Magnetic Flux Leakage inspection is not affected by product flowing through the pipe so surveys can be carried out both on-line and off-line and at surface temperatures up to 90°C. Use of **Pipescan**, with its high probability of detection to locate the corrosion, coupled with A-Scan ultrasonic monitoring, provides a cost effective accurate system for the determination of plant integrity.



Pipescan Model - PS200

Pipe Outer Diameter	150 mm - 300 mm
Sensor Gap	1 mm (2 shims)
Scan Width	150 mm



Pipescan Model - PS1200

Pipe Outer Diameter	300 mm - 2400 mm
Sensor Gap	1 mm (2 shims)
Scan Width	150 mm



Technical and Performance Specifications

Principle of Operation	Magnetic Flux Leakage
Detection	18 off Hall Effect sensors
Pipe Diameters	150 mm to 2400 mm - Outside
Profile	Clearance under / between pipework min 120 mm
Speed	0.5m/ sec
Thickness Range Maximum	Maximum 19 mm
Test through Coatings	Yes if non magnetic
Maximum Coating Thickness	6mm
Sensitivity	Adjustable
Max Sensitivity	30% pitting in 6 mm wall pipe 40% pitting in 12 mm wall pipe 50% pitting in 19 mm wall pipe



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