

Electro-Magnetic Acoustic Transducer

- EMAT requires no couplant and uses guided waves to perform rapid, volumetric inspection for detection of pitting and wall loss.
- This system is set up for piping 6"—42" O.D. and .150"—.750" wall.
- Supports Axial and Circ. scanning modes using either Pulsed or Permanent magnets.
- Provides A, B & C Scan displays with real time analysis
- At 6" per second, the EMAT pipe scanner will cover 360° of the pipe, identifying internal and external corrosion as well as other conditions
- Ability to scan through diamond wrap coating making it possible to inspect for damage under the coating.



Ideally suited for
Under Support
Corrosion detection.

Determination...EMAT Screening Tool

A very reliable method for:

- High Speed and linear footage coverage (1000' — 2000' per/d)
- Evaluation of corrosion under supports
- Immediate AUT and / or MUT prove up
- Producing ONSITE final report to client
- Data is archived for comparison and repeat exams
- Focus on un-insulated piping for best applications
- Long runs for Full-Body scans
- Promote as a screening tool...but have the prove up tools

EMAT Versus Other Methods

- Greater detection capability for internal conditions that could be missed with conventional UT including 'under deposit corrosion'
- A bit more sensitive to corrosion under support than most other guided wave applications.
- Another option for "soil-to-air" interface areas rather than digging them up.
- Enhanced Screening Productivity combined with immediate follow up.

