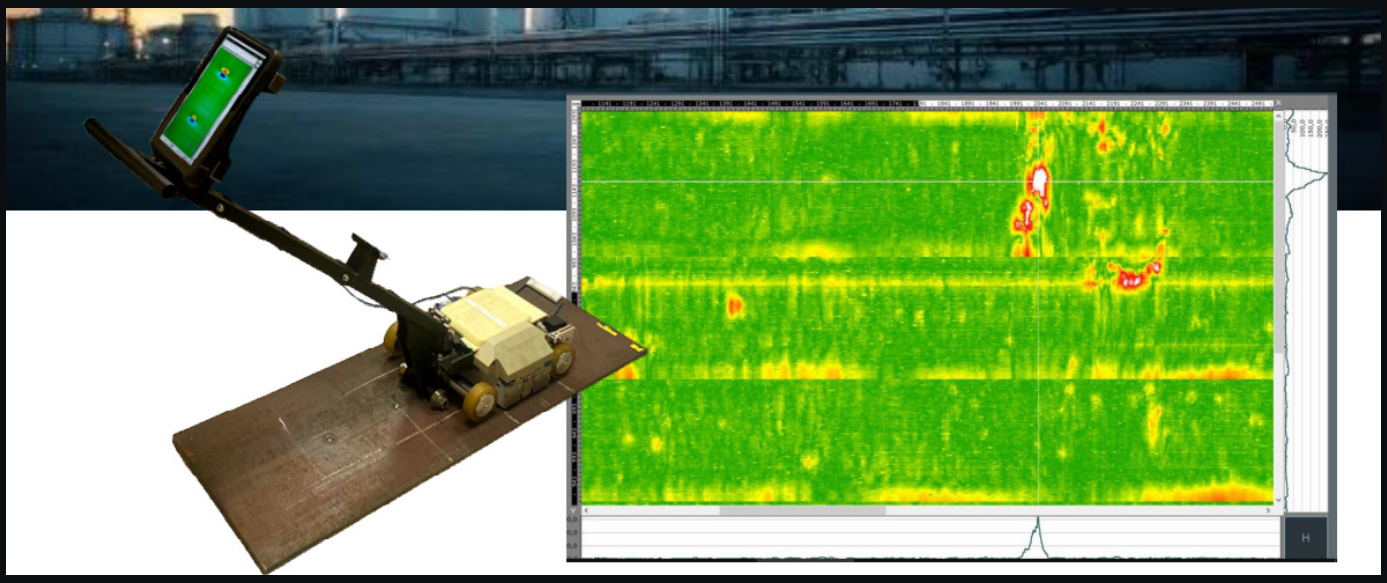
TANK FLOOR INSPECTION | MFL

Map metal-loss indications.



Scanner and illustrative mapping output from the supplied manufacturer brochure.

Application
Magnetic flux leakage (MFL) screening of suitable ferromagnetic tank-floor plates to map indications of metal loss and prioritise locations for thickness verification and detailed investigation.

Manufacturer-described configuration
The brochure lists a nominal 4-20 mm plate-thickness range, a 29 cm scanning width, a 96-element quadrature Hall sensor array and a 3 mm acquisition step. It also describes surface-origin discrimination and optional RMF stress mapping. Confirm the supplied configuration, material suitability and achievable coverage before use.

Inspection workflow
Define plate material, thickness, coating, cleanliness and access. Establish reference checks and scan coverage. Record mapped indications and unscanned zones. Verify selected locations with suitable ultrasonic thickness measurements or other qualified NDT before engineering assessment.

Performance and interpretation
Detection threshold, sizing accuracy and surface-origin discrimination depend on qualification, calibration, plate condition and defect morphology. The brochure claims are not published here as guaranteed field performance. Optional stress mapping is a separate capability requiring qualification; this brief does not establish automatic fitness-for-service or remaining-life assessment.

Source: supplied Spector Tank Floor Corrosion Mapping System brochure.
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