



Corrosion Mapping Technology.

Automatic Ultrasonic Testing

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How it Works

Corrosion and erosion can inflict significant damage upon petrochemical vessels, tanks and pipework. Due to the risks involved, it is important to recognize corrosion damage as early as possible, especially when such knowledge can assist in planning your operational maintenance strategy.

With corrosion mapping systems, solution is available to assist you in developing condition-determined maintenance strategies which can be used in the calculations for the remaining lifetime of a plant.



Rapid Motion Scanner

The RMS is a high speed, high accuracy remote access ultrasonic corrosion mapping system designed to evaluate the condition of ferrous structures such as storage tanks, pipelines, pressure vessels and other critical equipment, supporting effective and safe operation.

The RMS2 can give 100% coverage in a band up to 1000mm wide, significantly increasing Probability of Detection (POD) of corrosion, enabling engineers to determine the optimum repair strategy and improve risk life assessment (RLA) & risk based inspection (RBI).



Scorpion 2 Robotic crawler

Scorpion 2 dry-coupled remote-access ultrasonic crawler bring major efficiency and data improvements to tank shell inspections and other structures such as vessels and offshore installations. API 650/653 compliant, this powerful duo is the perfect solution for in-service inspection of your assets.

Scorpion 2 is equipped with the best ultrasonic electronics and software the industry has to offer. With its advanced filtering, the system can inspect materials 4.7–100 mm (0.19–3.94 in) faster and more accurately than other solutions on the market.





Key Features

- Very high speed for fast coverage with real time image display
- High probability of detection with up to 0.5 mm scan grid
- Wide range of applications up to 170 °C
- Inspection material thickness up to 150 mm
- 3D data view for internal/external profile
- Can be used on any ferrous item form 6" NB to flat plate
- Longitudinal scanning head for increased productivity on crude oil transfer lines, slug catchers and the like
- Up to 50 metre long x 1 m wide scan data acquisition feasible in one location
- Field proven durability & reliability
- Aid to reduce maintenance costs by minimizing use of scaffolding
- No paint removal required

