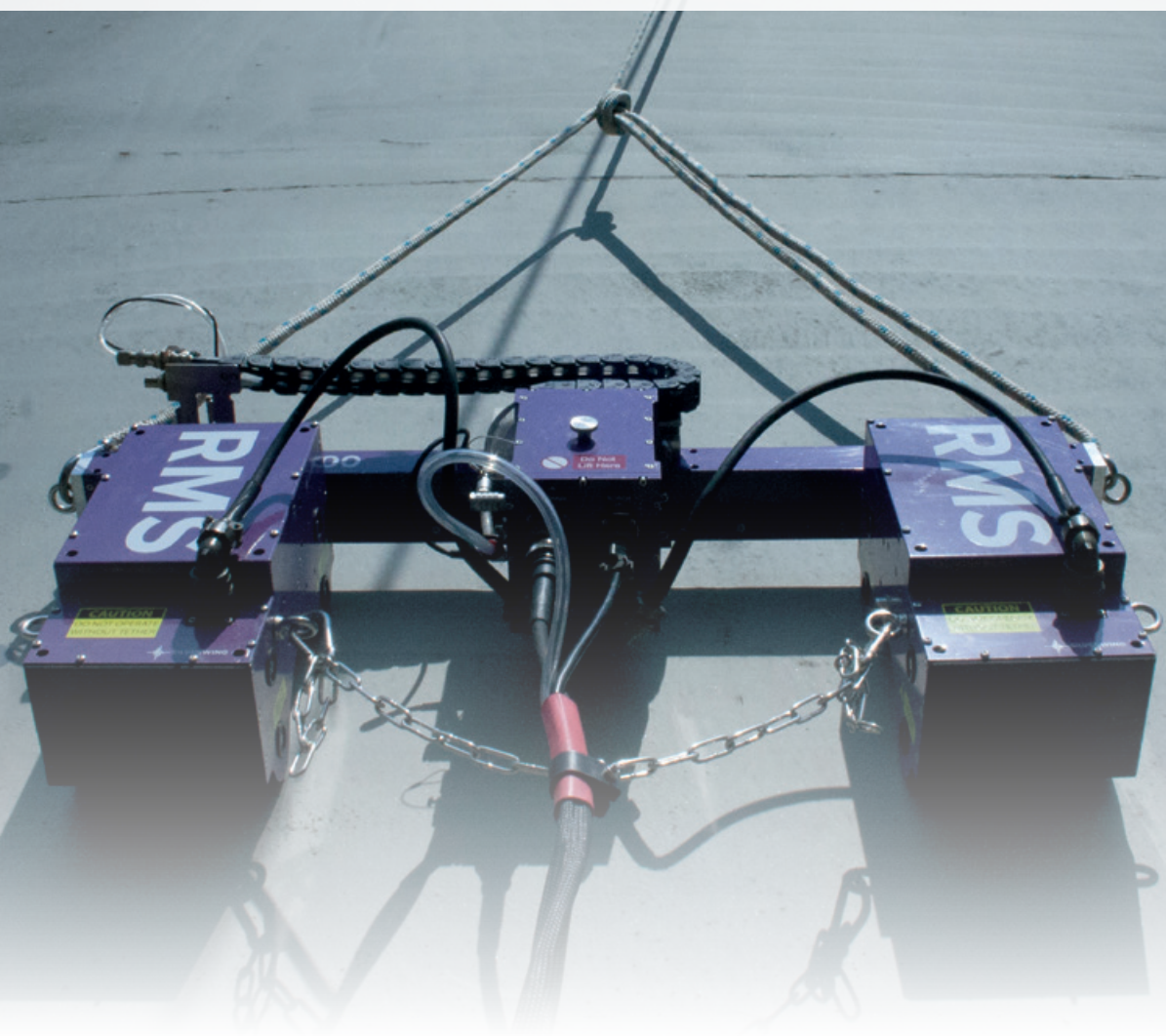




## Corrosion mapping ultrasonic inspection

Semi-automated and remote non-intrusive testing solutions.



James Fisher NDT's (JF NDT) ultrasonic corrosion mapping offers a proven and reliable method of inspection, allowing the evaluation of ferrous assets without taking a system out of use.

Assets including pressure vessels, tanks and piping all need routine inspection in order to confirm integrity, ensure regulatory compliance and support continued, safe site operation.

## Key benefits:

- High data integrity
- Real time access to inspection data
- Fully auditable inspection data
- Analysis of the data by our specialists during and after the inspection
- Can be used without special access systems (e.g. scaffolding, rope access)

## Key applications include:

- Process pipework
- Pressure vessels
- Storage tanks
- Reactors
- Hulls
- Safety-critical equipment

Our methods provide 100% coverage to identify any corrosion present, allowing technicians to determine the optimal risk based assessment (RBA) and risk based inspection (RBI) maintenance strategies for the asset in question.

Inspection data is collected and available in real time and our methodology allows the measurement of part thickness, internal surface profile and external surface profile in one sweep.

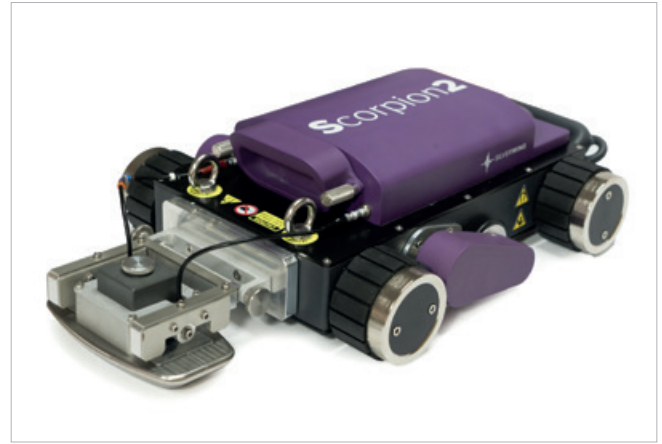
## JF NDT offers advanced ultrasonic inspections including:

- Phased array (PA) utilising HydroForm®
- Time of flight diffraction (ToFD) weld root corrosion / erosion (WRE) surveys
- Automated ultrasonic corrosion mapping and weld inspection
- Guided wave ultrasonic Testing (LRUT) pipe screening

## Robotic inspection solutions

JF NDT offers a variety of remote access inspection solutions, improving efficiency when inspecting topside ferromagnetic structures; with faster data collection, a higher probability of detection and offering easy access to difficult locations.

Robotic solutions on offer include the state-of-the-art RMS2 system which is a high speed, high accuracy remote access ultrasonic corrosion mapping tool. The RMS2 is designed to evaluate the condition of ferrous structures such as storage tanks, pipelines, pressure vessels and other critical equipment, supporting efficient inspection programmes and informing integrity management processes to ensure effective and safe operation.



**James Fisher**  
NDT



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