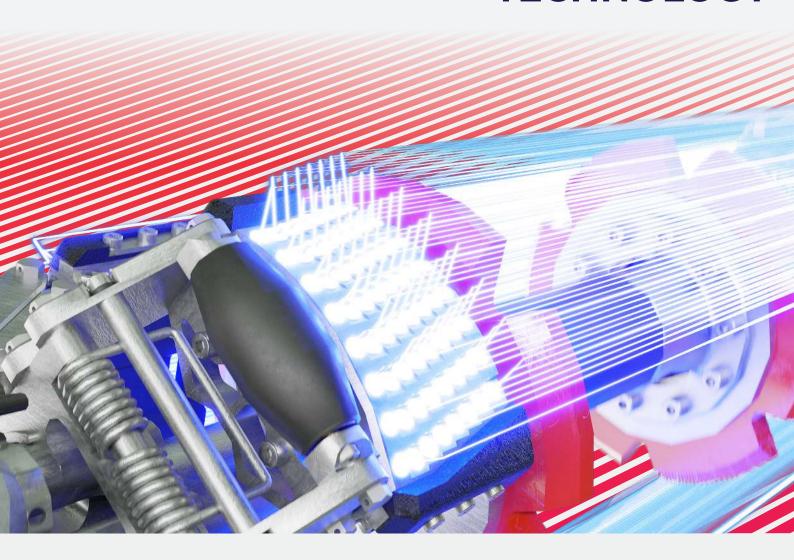


INLINE INSPECTION TECHNOLOGY



DEXON

IN-LINE INSPECTION TECHNOLOGY

INTELLIGENT PIGGING TOOLS
SOLUTIONS FOR ALL YOUR PIPELINE INSPECTION REQUIREMENTS

Founded in 1979, Dexon Technology Plc is a global provider of in-line inspection (ILI) services. In-house research development and engineering teams offer customized tool development and inspection solutions for unpiggable pipeline configurations. Dexon's flagship services include accurate crack sizing and inspection of non-metallic pipeline materials.



CALIPER PIGGING TOOLS



- · Suitable for pipelines of any length and material
- Ovality measurement
- · Dent detection and sizing
- · Pipeline feature detection and identification
- · Weld joint detection and identification
- · Tool range of 4" and greater
- Tool performance and reporting as per POF 2021 specifications

ULTRASONIC ILI WALL MEASUREMENT TOOLS



UT-R (Ultrasonic Rotary)

- · Rapid deployment and reporting
- · Suitable for all pipeline materials (ferrous and non-ferrous)
- · Accurate within ± 0.3mm
- Able to run pipelines under 10km
- · Operates only in liquid and gas (batching) pipelines
- Inspection and reporting up to POF 2021



UT-MC (Ultrasonic Multi-channel) Ring

- · High resolution of 1,000,000 measurements/m²
- · Maximum length of 200km
- · Operates only in liquid and gas (batching) pipelines
- Minimal disruption to operating schedules
- · Inspection and reporting up to POF 2021



UT-MC (Ultrasonic Multi-channel) Octopus

- Specifications are the same as the UT-MC Ring except for:
- Transducers are elevated, reducing the travel time of signals from the wall
- Highly effective in materials with high attenuation, such as heavy crude oil

Customization: If the standard tool specifications don't align with your project's requirements, Dexon can design customized solutions to inspect a wide range of pipeline configurations. Contact a Dexon representative directly for a personalized project assessment.

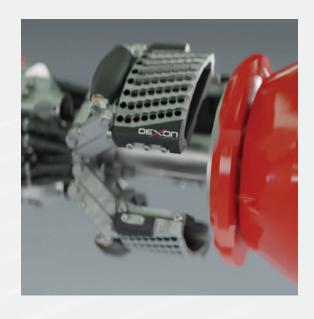






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CRACK DETECTION AND SIZING



- Detection and sizing of axial and circumferential cracking
- Crack and corrosion inspection merged in a single ILI tool
- Crack sizing accuracy up to 1.0mm through wall height
- Extreme sampling density up to 1mm × 2mm (1 million samples/m²)
- Detection and sizing of skewed cracks, hook cracks, and variable geometry cracking
- Detection and sizing of mid-wall cracks not attached to pipe surface
- Probability of detection ≥ 90% to POF 2021 specification





ULTRASONIC INTELLIGENT PIGGING TOOLS



KEY INSPECTION CAPABILITIES

Reliability: Specially designed, fabricated, and rigorously tested to fulfill various inspection requirements across a range of applications, including pipe materials, products, and detection capabilities.

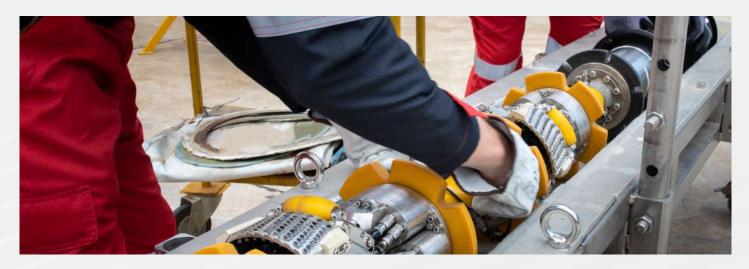
Metal Loss: Providing up to 1,000,000 direct wall thickness measurements per m², generating accurate detection and sizing of internal and external metal loss anomalies.

Geometric Assessment: Internal radius measurements provide a detailed assessment of pipeline ovality, affecting not only asset integrity but also operational efficiency due to changes in flow dynamics.

Pipeline Feature Identification: Increased accuracy of anomaly positioning is achieved by weld and feature identification as well as providing operators with accurate, up-to-date as-built construction records.

Minimal Disruption to Operating Schedules: Inspection parameters can be customized to suit operating conditions, minimizing the impact on operations.

Flexibility: Customizable tool set-up is available to inspect challenging pipeline configurations and operating conditions.





PIPELINE TEST YARD AND FACILITIES



- Infinity test loop allowing for duration testing and inspection validation for long-length pipelines
- Customization options for testing and validation of client-specific inspection requirements
- · Client pipe sample and damage mechanism inspection verification
- · Customized client pipeline configuration replication and inspection verification
- · Artificial defect detection, identification, and sizing inspection testing
- UT pump-through and MFL pull-through test facilities
- Factory acceptance testing
- · Pipeline fabrication yard
- · Spacious warehouse & offices





RESEARCH & DEVELOPMENT CENTER



- Provides customized engineering solutions to meet client-specific inspection requirements
- Employs leading research and engineering professionals in the fields of physics, non-destructive testing technologies, field programmable gate array, advanced electronics, firmware, software, and mechanical engineering
- Fully equipped electronics, research, high-precision machining, fabrication, and assembly facilities

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