Dexon is a global pipeline and furnace in-line inspection solution provider. 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 2016 specifications

ULTRASONIC INTELLIGENT PIGGING TOOLS

- Suitable for pipelines of any length
- Accurate direct wall thickness measurements
- Anomaly length, width, and depth sizing
- Pipeline feature detection and identification
- Weld joint detection and identification
- Tool range of 2.5” and greater
- Tool performance and reporting as per POF 2016 specifications
**ULTRASONIC** ILI

**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 X 2mm (1 million samples per square meter)
- 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 POF2016 specification
MFL INTELLIGENT PIGGING TOOLS

- Suitable for pipelines of any length
- Applicable in both liquid and gas pipelines
- Customizable wall thickness measurement range
- Anomaly length, width, and depth sizing
- Pipeline feature detection and identification
- Weld joint detection and identification
- Tool range of 6” and greater
- Fitness for service evaluations & corrosion growth assessments
- Tool performance and reporting as per POF 2016 specifications

UT FURNACE SMART PIGGING

- Suitable for heater and furnace tube inspections
- Wall thickness measurement
- Anomaly length, width and depth sizing
- Tool range of 2” and greater
- Fitness for service evaluations of heaters and furnace tubes
- Tube wall thinning reporting
- Remaining life assessments of heater and furnace tubes
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 capabilities
- 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 (FAT)
- Pipeline fabrication yard
- Spacious warehouse & offices
RESEARCH & DEVELOPMENT CENTER

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

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