



Your trusted partner for **Pipeline Corrosion Inspection**



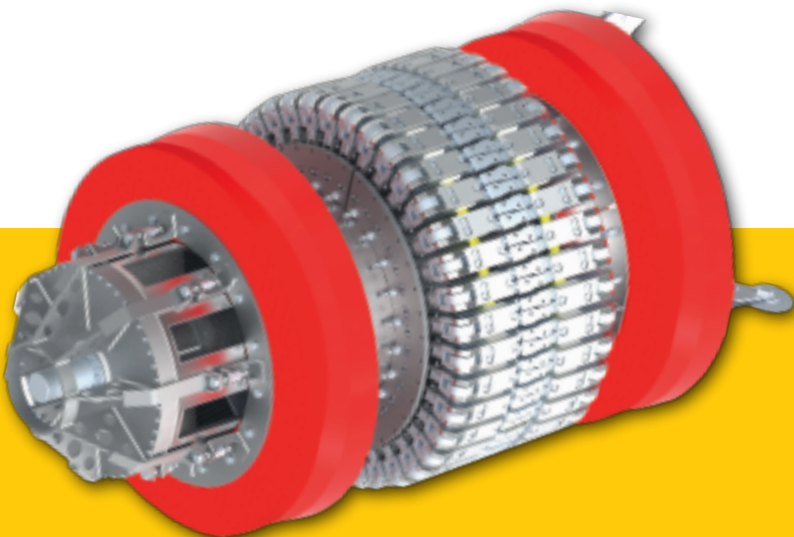
Celebrating Experience
and Excellence

MFL and C-MFL Technology

MFL and C-MFL true XHR resolution tools are used in gas and liquid pipelines to assess pipe wall thickness and metal loss. Pipesurvey magnetic inspection tools use the highest attainable resolution of tri-axial sensors to accurately determine the dimensions of the metal loss. The tools offer a gapless sensor arrangement with integrated ID/OD discrimination sensors for a complete wall coverage. The sensor design offers flexibility to scan the weld and heat affected zone as accurately as possible. The tools are low-friction, wheel-supported, flexible, bidirectional and tailored for the challenges of both piggable and unpiggable pipelines. All tools pass through 25% diameter reduction and 1.5D radius bends. Pipesurvey International MFL tools have been successfully applied in transmission lines, tank farm lines, risers and flow lines.

Pipesurvey has developed powerful and user friendly DATsurvey® software. With this diagnostic tool the operator can review pipeline features and anomalies at any scale, distance or clock position. Data is visualized in line-, color- or 3D-plots. Statistical run data, creating additional dig sheets and on-line support are standard services included in DATsurvey®.

Regular or Axial MFL technology deploys an axially oriented magnetic field and is most often used to detect pipeline anomalies such as general corrosion, pitting, pinholes, circumferential slotting and grooving as well as axial slotting and grooving. However, when the focus is on axially oriented defects, the C-MFL offers the perfect solution. The C-MFL tool deploys a circumferentially oriented magnetic field and will accurately detect and size axially oriented defects, crack-type defects and defects associated with the longitudinal weld.



TOOL SPECIFICATIONS

Pipe sizes	6" – 56"
Minimum bore straight pipe	75% of Pipeline Nominal Diameter
Bend radius	1.5D
Velocity	0.1 – 4.0 m/s, Active Speed Control available for higher gas flows
Pressure range	Up to 230 bar
Magnetization	Minimum of 10 kA/m
Inspection distance	Up to 250 km, please consult for longer distances
Location accuracy	+/- 1 m [GPS], 0.1 m from girth weld [Odometer]
Detection threshold	5% of wall thickness
Sizing Accuracy	+/- 10% of wall thickness for general corrosion ¹

¹refer to Tool Data Sheet for Complete Overview of Specification

Active Speed Control • Multi-diameter inspection • Bidirectional inspection • Low-flow solutions • Spatial mapping and strain analysis
Small diameter pipelines • Low friction tools • Brushless design for traverse of umbilicals • Short radius bends • Illegal Hot Taps

ISO9001:2015 – ISO14001:2015 – ISO 45001:2018 – POF:100 – API1163 – ASNT-ILI-PQ2017 – NACE SP0102:2017



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