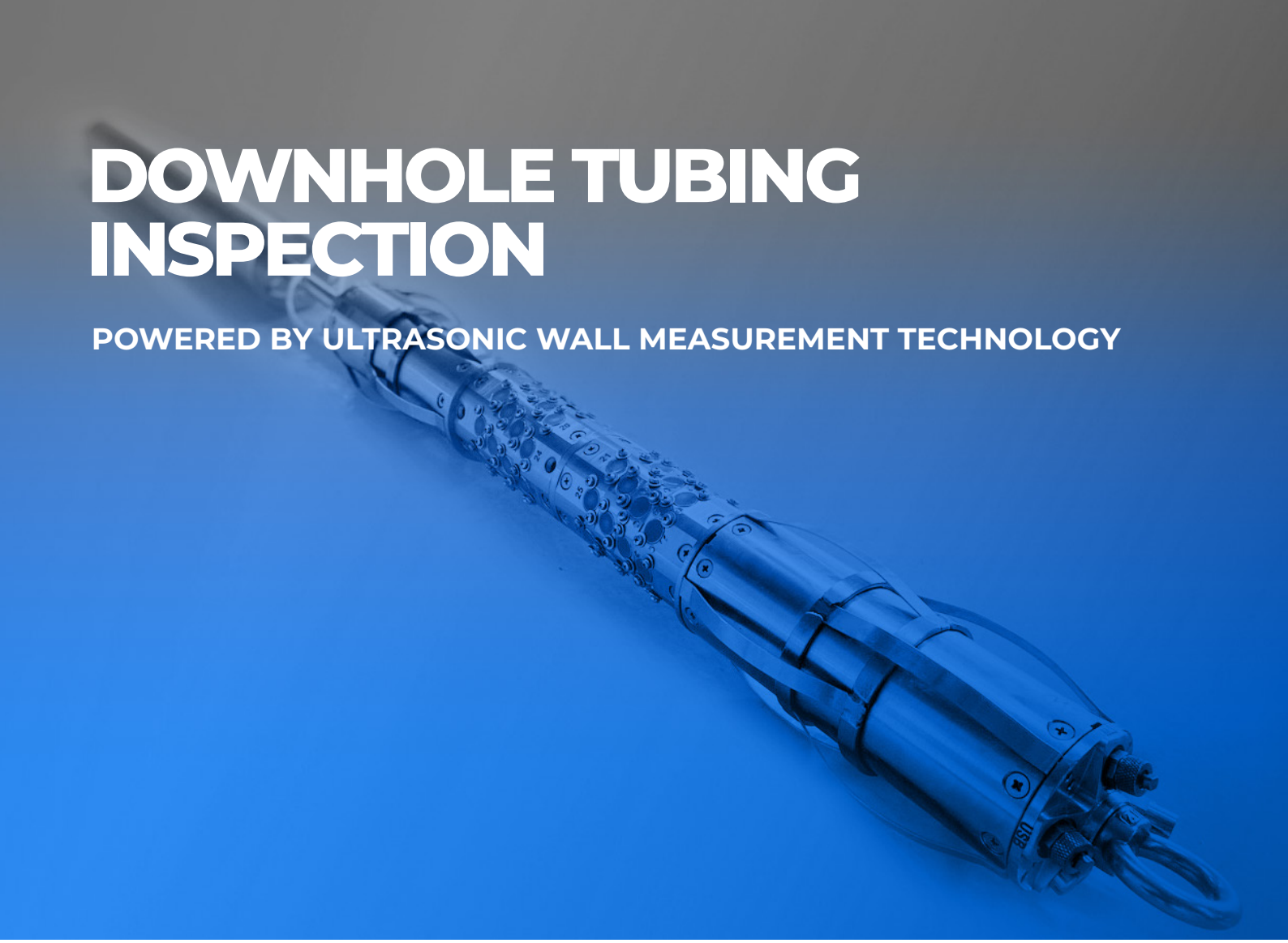
DOWNHOLE TUBING INSPECTION

POWERED BY ULTRASONIC WALL MEASUREMENT TECHNOLOGY



SPECIALIZED WELL TUBING INSPECTION

Integrated Solutions for Downhole Operations

The in-line inspection method of inspecting pipelines has long been regarded as the best method to ensure the integrity of pipeline assets. Until now, the application of state-of-the-art in-line inspection technology was limited to gathering, transmission, and distribution pipelines.

PIPECARE, a premium provider of in-line inspection technologies for pipelines, has developed a state-of-the-art inspection tool specifically for the high-resolution inspection of wellhead tubing.

PIPECARE's ILI Well Tubing Inspection Service utilizes high-resolution ultrasonic technology (UT) for the reliable detection and sizing of small diameter pitting and pinholes. The technology is proven and cost-effective, and our service doesn't require a prolonged shutdown of the well.

OUR SERVICES

- Custom configuration of our high resolution well tubing inspection tool
- Onsite expertise to ensure a smooth and successful inspection with your wireline provider
- Onsite inspection data quality confirmation
- A full, comprehensive PIPECARE Well Tubing Inspection Report within 30 days

PIPECARE
INNOVATIVE SOLUTIONS

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What makes our downhole tubing solutions

THE OPTIMAL CHOICE?

Perhaps the biggest and most common fear to well operators in regards to well tubing inspection is a stuck inspection tool, due to the challenges presented by the small diameter well tubing , its wall thicknesses, and its associated internal diameters, which can vary significantly due to manufacturing tolerances.

PIPECARE's Ultrasonic Well Tubing Inspection technology has been designed specifically for nominal well tubing sizes 2 to 3.5 inch, and 4 to 4.5 inch diameters, and can inspect wall thicknesses from 4.82 to 7.01 mm (0.19 to 0.276 inch).

Another historical challenge to well tubing inspections is that the inspection has been typically limited to the first 274 meters (900 feet) of tubing, due to limitations of static water pressure on the well plug and wireline truck.

Our technology can also withstand the extreme temperatures found at depths which would not be possible with some other service providers. The PIPECARE Well Tubing Inspection Tool can withstand temperatures up to 100 degrees Celsius.

These advantages, combined with the high-resolution ultrasonic capability to detect small diameter internal and external „pinholes", make PIPECARE's Well Tubing Inspection Service not only the optimal choice, but also the obvious choice.

GENERAL SPECIFICATIONS

Wall thickness, mm	0.19 to 0.276 inch – (4.82 to 7.01 mm)
Medium	Liquids
Sensor lens diameter	5 mm
Distance from sensor to inner surface	10 mm
Circumferential resolution	3.7 mm
Axial resolution	1 mm @ speed 1 m/s;

Flow rate, m/s	Cable operated, max speed 0.9m/s
Metal loss detection/ reporting threshold, mm	2 mm
Min diameter internal pin hole, mm	3mm
Metal loss depth accuracy, mm	0.1mm depth, ± 3mm diameter
Operating Temperature	-20°C to 100°C

PRECISE DETECTION

Sensitive and precise detection of flaws

STATE OF THE ART RESOLUTION

Detailed measurements based on state of the art resolution ensures sizing accuracy

HIGH-QUALITY DATA

Collection of high-quality data in a bidirectional tool