



# INSPECTION TECHNOLOGIES YOU CAN RELY

[www.transpipeintegrity.com](http://www.transpipeintegrity.com)

## ABOUT TRANSPICE

Transpipe Integrity Solutions is a leading Research and Development based company providing In-Line Inspection Technologies and solutions to the Oil and Gas pipeline industry with a plethora of different products and services.

Our Experience in Cleaning, Geometry Inspection, Deformation analysis & Metal Loss Inspection Services enables us to develop, test and validate our high-resolution inspection tools developed in-house for global usage.

We work closely with global leaders in Oil & Gas Industry to identify and ensure best-in-class Asset integrity solutions with our indigenous developed tools reassuring their service life. Our affiliate companies and industry partners have vast experience, skilled manpower to deliver high value projects for various services in Pipeline pre-commissioning and manufacturing cleaning pigs.

## OUR CORE VALUES



### Innovation

We will consistently innovate and adopt creative approaches to deliver the most efficient solutions.



### Empowerment

We will empowered at all levels to take decision and actions needed to meet our commitments



### Leadership

We will lead from the front to shape the future of our industry by taking risk and ownership of our commitments.



### Integrity

We will operate with complete Integrity to win the respect of all the stakeholders in our industry



### Self Excellence

We will collaborate internally and externally to deliver high quality products and service in time

## Pipeline Inspection solutions for the Oil & Gas Industry

**200+**

Number of pipelines inspected

**1500+**

Total Km Of Pipelines Inspected

## CERTIFICATIONS



• ISO 9001 : 2015



• ISO 14001 : 2015



• ISO 45001 : 2018

# IN HOUSE R&D / TOOL MAINTENANCE

Our team begins the tool design process by generating multiple design possibilities using 3D software, culminating in a refined and optimized final design after simulations across diverse conditions. We also independently develop the internal electronics, leveraging the latest generation for superior defect detection accuracy.

Our proprietary software, "Sceptor," is crafted in-house by our software engineers. Data analysis is performed by ANSI/ASNT-ILIPQ Level III and Level II certified personnel, ensuring top-notch expertise and precision. This holistic approach enables us to deliver cutting-edge solutions to our clients, covering design, electronics, and data analysis, all in-house.



The Transpipe workshop is thoroughly equipped to prepare and maintain tools. Before deployment to the site, each tool undergoes meticulous testing and calibration under supervision. A calibration certificate is provided to the client prior to the equipment's mobilization to the site.

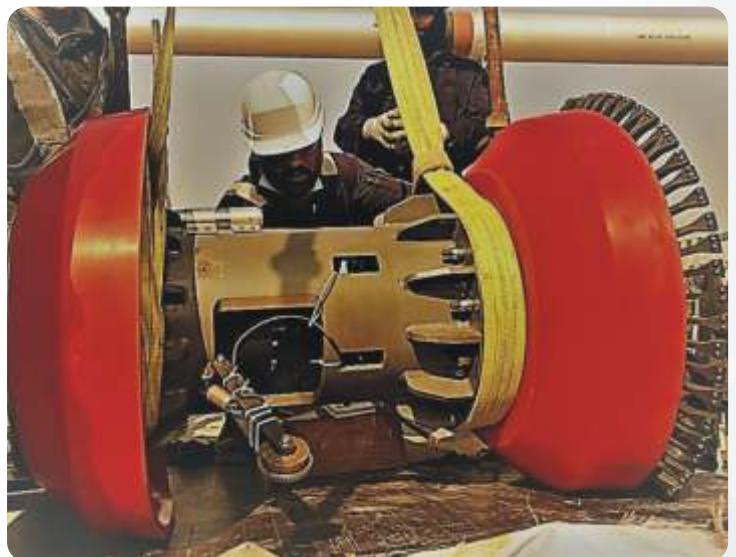


# GEO X2 - HIGH RESOLUTION GEOMETRY TOOL

Regardless of whether it's a newly constructed or existing operational pipeline conveying various fluids, assessing its quality and condition is crucial for operators. Understanding potential pipeline defects, such as dents, gouges, ovality, taps, installations, or other geometry-based issues, is vital. Geometry inspection tools are employed to provide detailed reports to operators, ensuring pipeline integrity during construction or ongoing operations.

Transpipe has engineered and offers cutting-edge High-Resolution Geometry Inspection tools, including our State of the Art Series X2, tailored for pipeline sizes ranging from 6 to 48 inches, in strict adherence to API 1163 and industry benchmarks. Our tools excel in identifying even the most minuscule features with remarkable precision and can precisely pinpoint and measure these features inline. Our sturdy designs empower us to navigate, compress, and safely traverse significant bore restrictions, enhancing our inspection capabilities for smarter insights

- Robust and State of Art Assembly of 6"-48" Tool Sizes.
- Multi-Channel Design covering 100% circumference of the pipeline.
- Procedure and requirements of inspections as per API 1163.
- Latest generation of Electronics used in tool resulting into faster data interpretation & quick results.



- Reporting Compliance to POF (Pipeline Operators Forum).
- Enough Battery life for longer section pipelines.
- Compatible for XYZ inspection with state of art IMU Technology.
- Unique features in the Software helping the operator to view 3D Overview of defects in pipeline.

# **CorrFlux- (Ax) X2 – HIGH RESOLUTION**

## **MAGNETIC FLUX LEAKAGE TOOL (MFL)**

Crude oil and natural gas often contain highly corrosive impurities like CO<sub>2</sub>, H<sub>2</sub>S, and free water. Continuous extraction of these elements can lead to corrosion and material degradation in pipelines and well components. This deterioration affects mechanical properties such as strength and ductility, highlighting the critical need for effective corrosion control in the oil and gas industry.



MFL uses a method that harnesses powerful magnetic field to magnetize steel or conductive material being examined. In this process, any anomalies within the material disrupt the magnetic field serving as a indication of presence and location of potential flaws in the material being inspected.



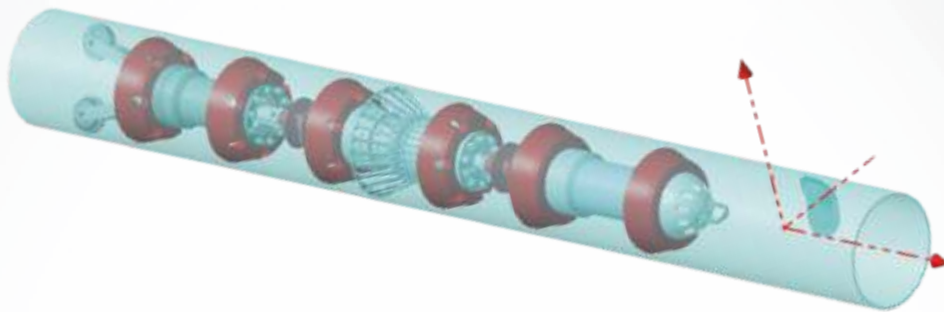
6" to 24" Tool Sizes

### **CorrFlux- (Ax) X2 Features**

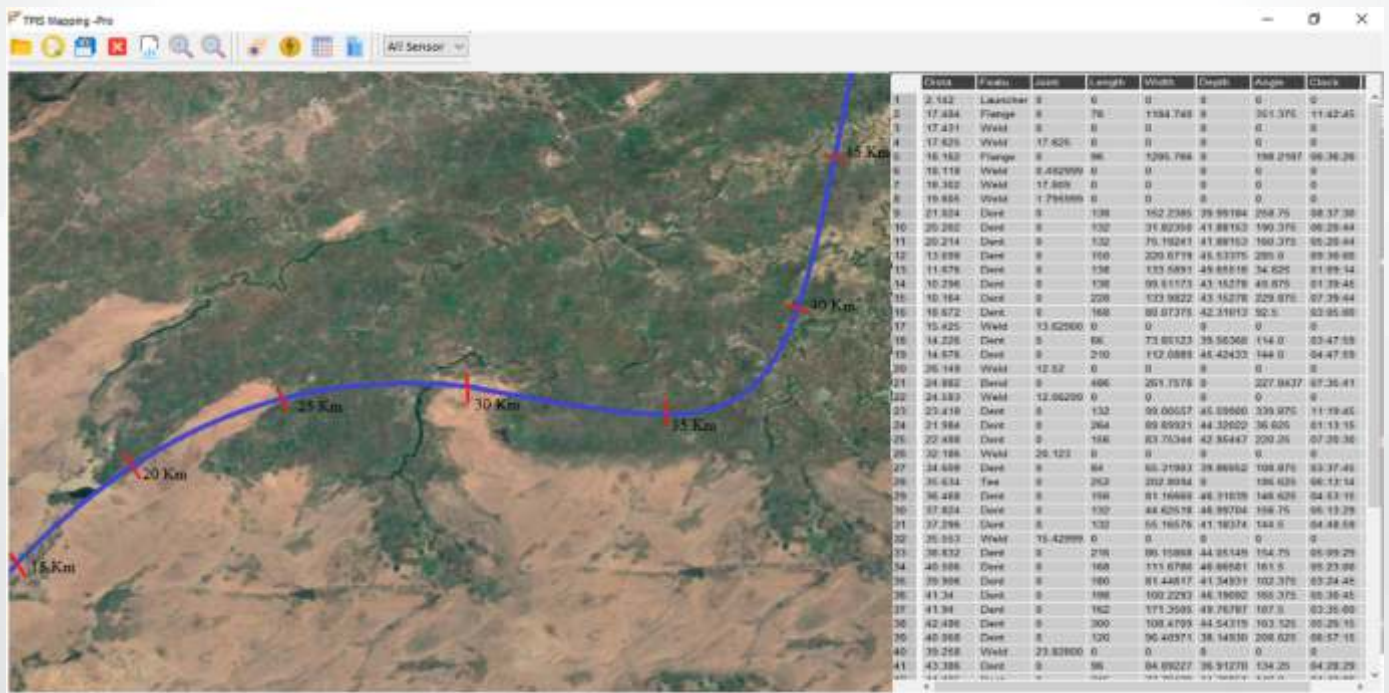
- Our tools Covering Pipeline Diameters Ranging from 6 to 24 Inches.
- Simulated and physically validated optimum magnetic saturation for pipe wall to ensure effective performance.
- Latest generation of electronics used to achieve high- Accuracy as per POF 100
- Company R&D Breakthrough for Unparalleled High Resolution.
- Our high-resolution tool achieves remarkable circumferential resolution at 2-3 mm and a maximum axial resolution of 1 mm, demonstrating unparalleled precision within it's sampling rate.

# XYZ MAPPING SERVICE

At Transpipe, we provide XYZ Mapping Service using IMU, which can be combined with our Geometry tools (**Geo X2**) or as a combo with the Metal Loss tool (**CorrFlux- (Ax) X2**) to provide accurate information about the Pipeline with precise accuracy specified by the operator



An Inertia Mapping Unit (IMU) provides the actual spatial of tool movement used for this purpose . The IMU consists of accelerometer and gyroscope which provides data which can be then grafted to the X, Y and Z coordinates on a time scale basis.



Such an Inspection provides following information.

1. GPS location of the feature.
2. 3D Mapping of the Pipeline.
3. Understand the movement of the pipeline if any.

# EFFICIENT OPERATING PROCEDURES

## LAUNCHING TOOL



Transpipe has experienced Project Managers working round the clock to ensure the efficient Co-ordination with the Client and Internal Operations Department.

Our Field Operations Team are trained as per ASNT/ANSI ILI-PQ ensures to carry out all the checks before the tool is launched and ensure the safety before retracting the tool.

## TOOL TRACKING



## TOOL RECEIVING



The tool tracking is one of the important site activities which is conducted in co-operation with Client Site team.

The Geometry tool is retrieved in cordination with clients site team following all necessary HSE Procedures.



## GLOBAL NETWORK

### TRANSPIPE INTEGRITY SOLUTIONS ASIA

E-51, F Road, Manjusar G.I.D.C, Savli,  
Vadodara-391775, Gujarat, India.



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