

# **US Intelligent Pigging Market Size study, by Technology (Magnetic Flux Leakage, Ultrasonic, Caliper) by Pipeline Type (Gas, Liquid) by Application (Metal Loss/Corrosion Detection, Geometry Measurement & Bend Detection, Crack & Leak Detection) Forecasts 2022-2032**

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## **Abstracts**

US Intelligent Pigging Market is valued approximately USD 90.61 million in 2023 and is anticipated to grow with a healthy growth rate of more than 6.57% over the forecast period 2024-2032. Intelligent pigging, also referred to as inline inspection (ILI), constitutes a technique extensively employed within the oil and gas sector for internal pipeline examination. A "pig," serving as the central component, is introduced into the pipeline and propelled forward by the transported product flow. This device is outfitted with an array of sensors and tools tailored to collect comprehensive data regarding the pipeline's condition. Furthermore, the incorporation of advanced data analytics and machine learning techniques into intelligent pigging systems facilitates enhanced data processing, interpretation, and decision-making. Through the utilization of big data analytics, operators can derive valuable insights from inspection data, optimizing maintenance schedules, predicting potential failures, and enhancing overall pipeline performance. Consequently, this trend is expected to bolster the growth of the Intelligent Pigging Market in the US.

Moreover, with an aging pipeline infrastructure across the US, ensuring pipeline integrity is crucial for safety and regulatory compliance. Intelligent pigging offers an efficient method for inspecting pipelines for defects, corrosion, and other anomalies, thereby enhancing pipeline integrity management. Also, there is a growing recognition among pipeline operators of the importance of proactive, preventive maintenance to ensure the

long-term reliability and safety of their pipelines. Intelligent pigging plays a crucial role in preventive maintenance strategies by enabling the early detection of defects and integrity issues, allowing operators to address them before they result in costly failures. Furthermore, the market growth is bolstered by various factors such as the rising demand for energy, heightened emphasis on pipeline safety, and growing apprehension regarding the safety of pipelines and energy infrastructure. Nevertheless, the market growth of Intelligent Pigging Market during the forecast period 2024-2032 is anticipated to be impeded by the substantial initial investment required, as well as the lack of awareness and education concerning the benefits of intelligent pigging.

Major market player included in this report are:

Baker Hughes Company  
Quest Integrity Group, LLC  
T.D.Williamson, Inc  
Company 4  
Company 5  
Company 6  
Company 7  
Company 8  
Company 9  
Company 10

The detailed segments and sub-segment of the market are explained below:

By Technology

Magnetic Flux Leakage  
Ultrasonic  
Caliper

By Pipeline Type

Gas  
Liquid

By Application

Metal Loss/Corrosion Detection  
Geometry Measurement & Bend Detection  
Crack & Leak Detection

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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