

# Global Small-diameter Pipeline Inspection Robot Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G32A2AE75DBAEN.html>

Date: July 2026

Pages: 125

Price: US\$ 3,480.00 (Single User License)

ID: G32A2AE75DBAEN

## Abstracts

According to our (Global Info Research) latest study, the global Small-diameter Pipeline Inspection Robot market size was valued at US\$ 1850 million in 2025 and is forecast to a readjusted size of US\$ 3429 million by 2032 with a CAGR of 9.2% during review period.

In 2025, global sales of small-diameter pipeline inspection robots reached 31,000 units, with an average selling price of US\$58,000 per unit. Global production capacity in 2025 was approximately 36,000 units, with an average industry gross margin of about 37%. Small-diameter pipeline inspection robots are intelligent inspection devices used for internal inspection of urban underground pipe networks, industrial pipelines, and pipelines in narrow spaces. They are primarily suitable for defect detection and condition assessment of drainage pipelines, gas pipelines, petrochemical pipelines, cable protection pipes, and industrial transport pipelines. The equipment typically integrates a high-definition camera system, a crawling drive mechanism, a laser ranging module, a wireless communication system, a lighting system, and an intelligent control platform. It can perform tasks such as crack identification, blockage detection, corrosion analysis, leak location, and pipe wall deformation monitoring in complex pipeline environments. It features small size, high mobility, high inspection accuracy, and suitability for narrow and complex environments.

The upstream sector primarily involves suppliers of high-definition industrial cameras, lithium batteries, servo motors, reducers, sensors, communication modules, waterproof materials, control chips, and precision mechanical structural components. Downstream consumption mainly comes from municipal drainage networks, petrochemicals, gas transmission, power and communication pipelines, industrial parks, and underground

infrastructure operation and maintenance. With the aging of global urban underground pipe networks, the advancement of smart city construction, and the rapid growth in demand for trenchless inspection, the market for intelligent pipeline inspection equipment continues to expand. Future products will develop towards AI defect recognition, wireless remote control, 3D modeling, high protection levels, and autonomous navigation. Meanwhile, the construction of underground integrated pipe corridors, urban renewal projects, and upgrades in industrial safety supervision will continue to generate new market demands and business opportunities.

This report is a detailed and comprehensive analysis for global Small-diameter Pipeline Inspection Robot market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Small-diameter Pipeline Inspection Robot market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Small-diameter Pipeline Inspection Robot market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Small-diameter Pipeline Inspection Robot market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Small-diameter Pipeline Inspection Robot market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Small-diameter Pipeline Inspection Robot

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Small-diameter Pipeline Inspection Robot market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include RedZone, Diakont, Envirosight, iPEK, Eddyfi Technologies, CUES, Easy-Sight, SROD, GoodChaoQian, Tmsuk, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Small-diameter Pipeline Inspection Robot market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Wheeled

Tracked

Screw-type

### Market segment by Inspection function

Video Detection Type

Laser Ranging Type

Multi-sensor Fusion Type

Market segment by Applicable Pipe Diameter

Applicable Pipe Diameter: 50-100mm

Applicable Pipe Diameter: 100-200mm

Applicable Pipe Diameter: 200-300mm

Market segment by Application

Drainage Pipes

Gas Pipes

Others

Major players covered

RedZone

Diakont

Envirosight

iPEK

Eddyfi Technologies

CUES

Easy-Sight

SROD

GoodChaoQian

Tmsuk

YASHU

JIETAI

ULC Technologies

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Small-diameter Pipeline Inspection Robot product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Small-diameter Pipeline Inspection Robot, with price, sales quantity, revenue, and global market share of Small-diameter Pipeline Inspection Robot from 2021 to 2026.

Chapter 3, the Small-diameter Pipeline Inspection Robot competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Small-diameter Pipeline Inspection Robot breakdown data are

shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Small-diameter Pipeline Inspection Robot market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Small-diameter Pipeline Inspection Robot.

Chapter 14 and 15, to describe Small-diameter Pipeline Inspection Robot sales channel, distributors, customers, research findings and conclusion.

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