

Robotic Endoscopy Devices Market Research Reveals Strong 16.5% CAGR Outlook Through 2030

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/EINPresswire.com/ -- "The [robotic endoscopy devices market](#) is

experiencing remarkable growth, driven by advancements in technology and increasing demand for minimally invasive procedures. This sector is rapidly evolving, offering improved diagnostic accuracy and enhanced surgical capabilities. Here's an in-depth look at the market's current size, growth drivers, regional leadership, and key trends shaping its future.



Expected to grow to \$6.3 billion in 2030 at a compound annual growth rate (CAGR) of 16.5%"

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[Robotic Endoscopy Devices Market Size](#) and Growth Outlook

The market for robotic endoscopy devices has expanded swiftly in recent years. Projections indicate it will increase from \$2.96 billion in 2025 to \$3.42 billion in 2026, reflecting a compound annual growth rate (CAGR) of 15.8%. Factors contributing to this growth during the past period include the rising incidence of gastrointestinal and pulmonary

diseases, greater adoption of minimally invasive diagnostic techniques, increased investments by hospitals in robotic technologies, broader clinical applications of flexible endoscopy, and enhancements in imaging and visualization tools.

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Looking ahead, the market is expected to continue its rapid ascent, reaching \$6.3 billion by 2030 with an accelerated CAGR of 16.5%. This forecasted surge is driven by a growing demand for

highly precise diagnostic procedures, expanding use of robotic-assisted surgical platforms, greater utilization of outpatient diagnostic services, a focus on automating hospital workflows, and the increasing integration of AI-based clinical decision support systems. Emerging trends during this period include a rise in robot-assisted flexible endoscopy, wider adoption of AI-guided navigation systems, stronger demand for minimally invasive diagnostic instruments, development of automated imaging and biopsy technologies, and heightened emphasis on precision and control for operators.

Understanding Robotic Endoscopy Devices and Their Role

Robotic endoscopy devices are sophisticated medical tools that merge robotic technology with flexible endoscopy techniques to enhance diagnostic precision and automation. These instruments enable physicians to examine internal organs or body cavities with improved accuracy, facilitating early and effective detection of medical conditions.

View the full robotic endoscopy devices market report:

https://www.thebusinessresearchcompany.com/report/robotic-endoscopy-devices-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

How Increasing Robotic Surgeries Propel Market Expansion

One of the key factors fueling growth in the robotic endoscopy devices market is the rising number of robotic surgery procedures worldwide. Robotic surgery employs robotic systems to assist surgeons during operations, improving maneuverability, visualization, and tissue handling. These devices have become integral to endoscopy procedures by simplifying complex tasks and enhancing procedural efficiency. For example, in November 2024, the Private Healthcare Information Network (PHIN) in the UK reported that robot-assisted procedures reached 22,700 in the first quarter of 2024. This figure represents a 45 percent increase compared to the same period in 2023 and a 12 percent rise over the last quarter of 2023. Such statistics highlight how the growing adoption of robotic surgeries propels the demand for robotic endoscopy devices.

Leading Geographies in the Robotic Endoscopy Devices Market

In 2025, North America held the largest share in the robotic endoscopy devices market. The market analysis covers multiple regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa. Among these, North America is expected to continue its dominance due to strong healthcare infrastructure, technological advancements, and high adoption rates of robotic surgical procedures.

New additions to our 2026 reports:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics

- Key technologies and future trend analysis
- Updated graphics and tables

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