

Global AI-Based Surgical Robots Market Exhibits Rapid Growth

The Business Research Company's AI Based Surgical Robots Global Market Report 2023 – Market Size, Trends, And Global Forecast 2023-2032

LANDON, GREATER LANDON, UK, November 28, 2023 /EINPresswire.com/ -- The global [AI-based surgical robots market](#) has witnessed significant expansion, escalating from \$4.73 billion in 2022

to \$5.63 billion in 2023, showcasing an impressive Compound Annual Growth Rate (CAGR) of 19.0%. The market is poised for continued robust growth, with an anticipated size of \$10.41 billion by 2027, maintaining a strong CAGR of 16.6%.



The market size of global AI-based surgical robots is expected to grow to \$10.41 billion in 2027 at a CAGR of 16.6%.”

The Business Research Company

Key Driver: Surge in Adoption of Technologically Advanced Robots by Surgeons

The surge in the adoption of technologically advanced robots by surgeons for various applications has been a primary catalyst for the growth of the AI-based surgical robots market. These robots, equipped with artificial intelligence (AI) technology, enhance efficiency, accuracy, and overall performance. AI-based surgical robots find applications in diverse surgical specialties such as neurology, urology, ENT, thoracic surgery, colorectal surgery, and more. Notably, robotic surgeries have gained prominence, replacing traditional open surgery methods. For instance, data from the JAMA Network reveals that robot-assisted surgeries accounted for up to 86% of prostate cancer procedures in the US in 2020, showcasing fewer complications and improved functional outcomes. The increasing adoption of technologically advanced robots across various surgical domains is a key driver propelling the AI-based surgical robots market.

For a deeper understanding and strategic insights, refer to our comprehensive sample report: <https://www.thebusinessresearchcompany.com/sample.aspx?id=7274&type=smp>

Major Market Players Shaping the Landscape

Prominent players influencing the dynamics of the AI-based surgical robots market include Accuray Incorporated, Intuitive Surgical Inc., Medtronic plc, Medrobotics Corporation, Zimmer Biomet, Stereotaxis Inc., TransEnterix Inc., Stryker Corporation, Activ Surgical Inc., Titan Medical

Inc., CMR Surgical Inc., Medtech Surgical, and Mazor Robotic.

Key Trend: Development of New Products

A notable trend gaining traction in the AI-based surgical robots market is the development of new products. Leading companies are actively engaged in introducing innovative products to fortify their market position. For example, Suzhou KangDuo Robot Co., a China-based medical company, recently launched the "KangDuo Surgical Robot-01 (KD SR 01)," which successfully completed a robot-assisted radical pyeloplasty. These surgeries conducted by the KD SR 01 demonstrated advantages over conventional methods, including reduced time requirements compared to laparoscopic surgery.

Regional Dynamics and Market Segmentation

In 2022, North America emerged as the largest region in the AI-based surgical robots market, while Asia-Pacific is anticipated to exhibit the fastest growth during the forecast period. The regions covered in the AI-based surgical robots market analysis report encompass Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

The global AI based surgical robots market is segmented –

- 1) By Product: Services, Instrument and Accessories
- 2) By Application: Orthopedics, Neurology, Urology, Gynecology, Other Applications
- 3) By End User: Hospitals, Ambulatory Surgical Centres

For comprehensive insights into market dynamics and future trends, please refer to the complete report:

<https://www.thebusinessresearchcompany.com/report/ai-based-surgical-robots-global-market-report>

AI-based Surgical Robots Global Market Report 2023 from TBRC covers the following information:

1. Market size data for the forecast period: Historical and Future
2. Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
3. Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Global AI Based Surgical Robots Market

Expected Growth Rate Through 2027
16.6%

Expected Market Size By 2027
\$10.41 Bn

The increasing adoption of technologically advanced robots by surgeons for various applications is the main driver of the market

North America is the largest region in the market

Information sourced from The Business Research Company
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Trends, opportunities, strategies and so much more.

The AI-based Surgical Robots Global Market Report 2023 by The Business Research Company is the most comprehensive report that provides insights on [AI-based surgical robots market size](#), AI-based surgical robots market drivers and trends, AI-based surgical robots market major players, competitors' revenues, AI-based surgical robots market positioning, and AI-based surgical robots market growth across geographies. The AI-based surgical robots market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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[About The Business Research Company](#)

The Business Research Company has published over 3000+ detailed industry reports, spanning over 6500+ market segments and 60 geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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