

Surgical Robots Market By Product [Instruments & Accessories, Robotic Systems (Laparoscopy, Orthopedic), Services], Application (Urological Surgery, Orthopedic Surgery), End User (Hospitals, Clinics, Ambulatory Surgery Centers) - Global Forecast to 2030

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Report description:

The global surgical robots market is projected to reach USD 27.14 billion by 2030 from USD 13.69 billion in 2025, at a CAGR of 14.7% during the forecast period.

<https://mnmimg.marketsandmarkets.com/Images/surgical-robots-market-img-overview.webp>

The surgical robots market is experiencing strong growth as healthcare providers increasingly adopt robotic-assisted systems to enhance surgical precision, improve patient outcomes, and support minimally invasive procedures. The rising demand for faster recovery, reduced complications, and shorter hospital stays is driving hospitals to invest in robotics across multiple specialties. Continuous technological advancements, such as improved imaging, AI-driven guidance, and more compact robotic platforms, are expanding the clinical applications of robotic surgery. At the same time, the growth of surgeon training programs, supportive reimbursement structures, and increased patient awareness are accelerating adoption. Together, these factors are pushing the market forward and broadening the global footprint of robotic-assisted surgery.

"By offering, the instruments & accessories segment held the largest market share in 2024."

The instruments & accessories segment accounts for the largest share of the surgical robots market because these components are required for every robotic procedure, creating steady and recurring demand. While robotic systems are a one-time capital investment, instruments such as staplers, scissors, graspers, energy devices, and other consumables must be replaced after a limited number of uses, ensuring continuous utilization and revenue. Accessories, such as vision tools, ports, and trocars, are also

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essential for system functionality and require frequent replenishment. As robotic procedure volumes continue to rise and hospitals expand their robotic programs, the consumption of instruments and accessories grows proportionally, making this segment the most significant contributor to overall market revenue.

"By end user, the hospitals & clinics segment accounted for the largest market share in 2024."

Hospitals & clinics dominate the surgical robots market because they are the primary locations where surgeries are performed and have the necessary facilities, financial resources, and trained personnel to adopt robotic technologies. These institutions invest in robotics to improve surgical precision, enhance patient outcomes, and streamline clinical workflows. Favorable reimbursement policies for minimally invasive procedures further support their adoption of robotic systems. Additionally, most surgeons undergo robotic training within hospital environments, which increases utilization. With growing patient expectations for advanced, minimally invasive care, hospitals & clinics continue to be the largest and most influential end users in the market.

"The US is expected to grow at the highest CAGR during the forecast period."

The US is expected to grow at the highest CAGR within the North American surgical robots market due to its strong focus on adopting advanced medical technologies, rapid expansion of robotic-assisted surgical programs, and continuous investments in hospital infrastructure. The country benefits from a large base of trained surgeons, extensive clinical research activity, and high patient demand for minimally invasive procedures, all of which accelerate the uptake of robotic platforms. Favorable reimbursement policies, a strong presence of leading robotic surgery manufacturers, and ongoing product innovations further support growth. Additionally, the US healthcare system's emphasis on improving patient outcomes, reducing hospital stays, and enhancing surgical precision continues to drive faster adoption of surgical robots compared to other countries in the region.

A breakdown of the primary participants (supply side) for the surgical robots market referred to in this report is provided below:

-□By Company Type: Tier 1 (35%), Tier 2 (40%), and Tier 3 (25%)

-□By Designation: C-level Executives (45%), Director-level Executives (35%), and Others (20%)

-□By Region: North America (27%), Europe (25%), Asia Pacific (30%), Latin America (8%), and the Middle East & Africa (10%)

Prominent players in the surgical robots market are Intuitive Surgical (US), Stryker (US), Medtronic (Ireland), Smith+Nephew (UK), Zimmer Biomet (US), Asensus Surgical (US), Siemens Healthineers (Germany), CMR Surgical (UK), Johnson & Johnson (US), and Renishaw Plc (UK).

Research Coverage:

The report analyzes the surgical robots market and aims at estimating the market size and future growth potential of this market based on various segments such as offering, application, end user, and region. The report also includes a competitive analysis of the key players in this market along with their company profiles, service offerings, recent developments, and key market strategies.

Reasons to Buy the Report

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall surgical robots market. This report will help stakeholders understand the competitive landscape and gain valuable insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market, providing them with information on key market drivers, restraints, challenges, and opportunities.

This report provides insights into the following pointers:

-□Analysis of key drivers (advantages of robot-assisted surgery, technological advancements, improving reimbursement scenario, increasing adoption of surgical robots, and increasing funding for medical robot research), restraints (high cost of robotic systems), opportunities (increasing penetration of surgical robots in ASCs and growth opportunities in emerging markets), and challenges (surgical errors).

-□Market Penetration: It includes extensive information on products offered by the major players in the global surgical robots market. The report includes various segments by offering, application, end user, and region.

-□Product Enhancement/Innovation: Comprehensive details about new product launches and anticipated trends in the global surgical robots market.

-□Market Development: Thorough knowledge and analysis of the profitable rising markets by offering, application, end user, and region.

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-□Market Diversification: Comprehensive information about newly launched products, expanding markets, current advancements, and investments in the global surgical robots market.

-□Competitive Assessment: Thorough evaluation of the market shares, growth plans, offerings of products, and capacities of the major competitors in the global surgical robots market.

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