

# Surgical Robots Market Size, Share & Trends by Product (Instruments & Accessories, Systems, Services), Application (Urological Surgery, Gynecological Surgery, Orthopedic Surgery, Neurosurgery), End User (Hospitals, Ambulatory Surgery Centers) & Region - Global Forecast to 2029

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### **Report description:**

The surgical robots market is projected to reach USD 23.7 billion by 2029 from USD 11.1 billion in 2024, at a CAGR of 16.5% during the forecast period. The surgical robots market will grow rapidly in the near future, boosted by the development of robotic technology and several other factors. Growing need for minimally invasive operations and increasing usage by robotic systems in surgery centers and hospitals are key drivers. These robots make a variety of intricate treatments easier by providing enhanced control, precision, and flexibility, therefore improving patient outcomes with lessened risk of complications and recovery time. Furthermore, with improved spending on health sector infrastructure and positive pricing trends at all levels, it accelerates the adoption of surgical robots. Again, an aging population and the mounting burden of chronic diseases have fired up the volume of surgeries across the globe. The growing volume naturally calls for surgical robots; their adoption becomes rapid as they find their place more and more in the lap of modern medical functioning.

"By offering, instruments and accessories segment is expected to have the largest market share in the surgical robots market." Based on offering, the instruments and accessories segment is expected to hold the largest market share in the surgical robots market. Because they are essential and used frequently in robotically assisted procedures, instruments and accessories have the largest share of the surgical robotics industry. Such custom specialist instruments, among them robotic arms, suturing devices, robotic arms, and specialist endoscopic tools, for each procedure are required and are frequently single-use items that need to be replaced or reprocessed after each surgery. Besides, these instruments are in constant demand for various treatments, from minimally invasive surgeries to others. Their position at the top comes partly from the high rate of use and repeated replacing of these accessories and partly from the development of surgical instruments that are supposed to help precision and reduce

#### recuperation times for patients.

"By application, general surgery segment is expected to have the largest market share in the surgical robots market." Based on application, the general surgery segment is expected to hold the largest market share in the surgical robots market. General surgery represents the largest market for surgical robots, as versatility and wide applicability characterize this application. Such procedures do make up an extremely broad spectrum, which includes, among others, bariatric surgeries, cholecystectomies, hernia repairs, and alike. All these procedures are usually carried out and benefit immensely from the accuracy and less invasiveness and faster recovery periods offered by the robots. Rising cases of chronic diseases, patients' inclination towards less invasive procedures, and surgical centers and hospitals adopting robotic systems have accelerated the demand for robotic assistance in general surgeries, resulting in a higher utilization rate as compared to other specialized surgeries.

"By end user, hospitals & clinics segment is expected to have the largest market share in the surgical robots market." Based on end user, the hospitals & clinics segment accounted for the largest market share of the surgical robots market. With large patient volumes, a wide range of surgical procedures, and strong financial resources that enable them to invest in the latest robotic systems, it is hospitals and clinics that command the largest share in the surgical robotics market. Indeed, these are usually among the first institutions within any medical field that look toward innovative tools such as surgical robots to improve precision, reduce recovery time, and ensure better outcomes for patients. This is further supported by the presence of specialized personnel and infrastructure to run and maintain such sophisticated systems within hospitals and clinics. Moreover, with their focus on cutting-edge treatment, keeping themselves competitive achieves just that: keeping them abreast of change through constant investment in robotic surgery.

"By region, North American region is expected to have the largest market share in the surgical robots market." At present, North America holds the maximum share of the surgical robots industry for a number of key considerations. Advanced healthcare systems and large investments in medical technology characterize the region. Additionally, rapid adoption of innovative concepts is showcased. Further, growth of this industry is accelerated with the presence of key market players like Stryker and Intuitive Surgical. Quite favorable government regulations in North America, a high frequency of chronic conditions requiring surgical procedures, and strong purchasing power have all combined to give this region top market share in the surgical robots industry. Its leadership position is further maintained as it continues in its commitment to research and development, facilitating further developments.

A breakdown of the primary participants (supply-side) for the surgical robots market referred to for this report is provided below: -[]By Company Type: Tier 1-35%, Tier 2-40%, and Tier 3-25%

- By Designation: C-level-20%, Director Level-35%, and Others-45%

- By Region: North America-27%, Europe-25%, Asia Pacific-30%, Latin America- 8%, Middle East & Africa-10%.

Prominent players in the surgical robots market are Intutive Surgical (US), Stryker (US), Medtronic (Ireland), Smith+Nephew (UK), Zimmer Biomet (US), Asensus Surgical (US), Siemens Healthineers (Germany), CMR Surgical (UK), Johnson & Johnson (US), Renishaw Plc (UK), Avateramedical GmbH (Germany), Brainlab AG (Germany), Think Surgical (US), Medicaroid Corporation (Japan), Globus Medical, Inc. (US), Corin Group (UK), Ecential Robotics (France), Titan Medical, Inc. (Canada), TINAVI Medical (China), Monteris (US), Microsure (Netherlands), Medical Microinstruments (US), Momentis Innovative Surgery (Israel), Distalmotion (Switzerland), Novus Arge (Turkey).

### 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 the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall prefilled syringes market and the subsegments. This report will help stakeholders understand the

competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report provides insights into the following pointers:

-[]Analysis of key drivers (increasing adoption of surgical robots, increasing funding, technological advancements, improving reimbursement), restraints (high cost), opportunities (increasing penetration of surgical robots in ASCs, Growth opportunities in emerging markets), challenges (surgical errors)

- Market Penetration: It includes extensive information on products offered by the major players in the global the surgical robots market. The report includes various segments in 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.

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