

# **Surgical Robotics Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented by Type (Surgical Systems, Instruments and Accessories, Services), by Application (General Surgery, Urology Surgery, Gynecology Surgery, Orthopedic Surgery, Cardiology Surgery, Head and Neck (including Neurology) Surgery, others), by End User (Hospitals, Ambulatory Surgery Centers, Others), by region, and Competition**

<https://marketpublishers.com/r/SBA5F0C807FEEN.html>

Date: October 2023

Pages: 190

Price: US\$ 4,900.00 (Single User License)

ID: SBA5F0C807FEEN

## **Abstracts**

Global Surgical Robotics Market has valued at USD 7.90 billion in 2022 and is anticipated to witness an impressive growth in the forecast period with a CAGR of 9.22% through 2028. Surgical robotics refers to the use of robotic systems and technology to assist surgeons during surgical procedures. These systems are designed to enhance the capabilities of surgeons, providing them with greater precision, control, and visualization during surgery. Surgical robotics can be used in a wide range of medical specialties and procedures, including minimally invasive surgeries. There was a growing demand for minimally invasive surgical procedures due to their associated benefits, such as shorter recovery times, reduced pain, and smaller incisions. Surgical robots enable surgeons to perform MIS with greater precision, contributing to their adoption. Surgical robots offer enhanced precision and accuracy compared to traditional surgical techniques. These qualities were particularly important for complex and delicate procedures, driving the adoption of robotic-assisted surgery.

The global aging population was increasing, leading to a higher demand for surgical procedures. Surgical robots were seen to address the healthcare needs of an aging

demographic. Patients increasingly sought less invasive surgical options. Surgical robots allow for smaller incisions, reducing scarring and postoperative discomfort, which was a major driver of adoption. Surgical robots were being adopted in a wider range of medical specialties, including urology, gynecology, orthopedics, and cardiothoracic surgery. This expansion into new areas increased the market's growth potential. Surgical robots were associated with improved surgical outcomes, including reduced complications and faster patient recovery. These outcomes were compelling factors for both surgeons and patients. Advancements in telecommunications technology allowed for telemedicine and remote surgery applications. Surgical robots enabled surgeons to perform procedures on patients located at a distance, expanding access to specialized care.

## Key Market Drivers

### Rising Aging Population

As individuals age, they are more likely to develop age-related health conditions and chronic illnesses that may require surgical intervention. This includes procedures such as joint replacements, cardiac surgeries, and cancer treatments. Older individuals often present themselves with more complex health issues and comorbidities, making surgeries more challenging. Surgical robots can assist surgeons in performing these complex procedures with greater precision and control. Older patients may have reduced physiological reserves, making minimally invasive surgical techniques preferable. Surgical robots enable less invasive procedures with smaller incisions, which are generally better tolerated by older patients. Surgical robots can help minimize tissue damage and blood loss during surgery. This can lead to quicker postoperative recovery, which is especially important for older patients who may take longer to heal. Surgical robots offer enhanced precision and dexterity, reducing the risk of complications during surgery. For older patients who may be at higher risk of surgical complications, the improved outcomes associated with surgical robots are attractive.

Many older patients prefer minimally invasive surgical options when available, as they often result in less scarring, reduced pain, and shorter hospital stays. Surgical robots enable these less invasive approaches. The global population is aging, with a significant increase in the number of elderly individuals. This demographic shift has led to a higher overall demand for healthcare services, including surgical procedures. Advancements in surgical robotics technology have made these systems more versatile and adaptable for a wider range of procedures. Surgeons are more inclined to use robotic assistance for complex surgeries, which are common among older patients. The aging population has

economic implications, as governments and healthcare systems need to address the healthcare needs of this demographic. Surgical robots can improve the efficiency and effectiveness of healthcare delivery. Surgical robots can help expand access to specialized surgical care for older patients, even in areas with a shortage of highly skilled surgeons. Telemedicine and remote surgery capabilities can facilitate access. This factor will help in the development of Global Surgical Robotics Market.

### Technological Advancements

Surgical robots have become more precise and dexterous, with advanced robotic arms that mimic the movements of a surgeon's hand with greater accuracy. These arms are designed to reduce hand tremors and provide finer control. Many modern surgical robotic systems are equipped with high-definition 3D imaging capabilities. This provides surgeons with a more detailed and immersive view of the surgical site, enhancing visualization during procedures. Robotic surgical systems have evolved to provide improved ergonomics for surgeons. This includes more comfortable console designs, ergonomic instrument handles, and adjustable positioning to reduce surgeon fatigue during long procedures. Integration of AI and machine learning algorithms allows surgical robots to assist surgeons in various ways. AI can analyze preoperative and intraoperative data, offer real-time feedback, and even automate certain aspects of surgery. Some surgical robots provide haptic feedback, allowing surgeons to feel tactile sensations during surgery. This sensory feedback can enhance the surgeon's sense of touch and improve precision. Advancements in telecommunications technology have enabled remote surgery, where surgeons can perform procedures on patients located in different geographic areas. This has the potential to improve access to specialized surgical care.

Miniaturized robotic surgical systems with single-port access have been developed, allowing for even less invasive procedures. These systems can be used for a range of procedures, including gynecological and urological surgeries. Surgical robots are increasingly equipped with navigation systems that help surgeons plan and execute procedures with greater precision. These systems can assist in targeting tumors or other specific surgical sites. Some robotic systems are designed to be modular, allowing for customization based on the specific needs of individual surgeons and surgical teams. This flexibility enhances their usability across different procedures. Virtual reality (VR) and augmented reality (AR) are being integrated into surgical robotics to create teaching and simulation tools. Surgeons can practice procedures in a virtual environment, improving their skills and familiarity with robotic systems. Surgical robots can capture and analyze large amounts of data during procedures. Data analytics tools

can help in postoperative analysis, quality control, and continuous improvement of surgical techniques. The integration of surgical robots with telemedicine platforms enables real-time consultation and collaboration among surgeons, regardless of their physical locations. This can be especially valuable for complex surgeries. Surgical robots are equipped with smart instruments that provide real-time feedback, such as tissue assessment or blood flow information, allowing surgeons to make informed decisions during surgery. This factor will pace up the demand of Global Surgical Robotics Market.

### Increasing Expansion into New Medical Specialties

As surgical robots become more versatile and adaptable, they can be used for a wider range of surgical procedures. This includes specialties beyond the initial applications in general surgery and urology. Surgeons can use robotic assistance in areas such as gynecology, orthopedics, cardiothoracic surgery, and neurosurgery. Manufacturers have developed specialized robotic systems and tools tailored to the unique requirements of different medical specialties. These specialized systems are designed to address the specific challenges and needs of each specialty, making them more appealing to surgeons and healthcare facilities in those fields. Many medical specialties involve complex and delicate procedures that benefit from the precision and stability offered by surgical robots. For example, in neurosurgery, where precision is critical, robots can assist in tumor removal and other intricate tasks.

Surgical robots are well-suited for minimally invasive surgical techniques, which are becoming increasingly important in various specialties. Patients often prefer minimally invasive procedures due to smaller incisions, faster recovery, and reduced postoperative pain. The use of surgical robots has been associated with improved surgical outcomes, including reduced complications and shorter hospital stays. Surgeons in various specialties are motivated to adopt this technology to provide the best possible outcomes for their patients. Expanding into new specialties opens significant growth opportunities for surgical robotics companies. As they target a broader range of procedures, they can increase their market share and revenue potential. The availability of robotic systems in different specialties encourages surgeons to receive training and gain expertise in robotic-assisted surgery. This, in turn, creates a pool of skilled robotic surgeons in various specialties. Surgical robots enable patients to access specialized surgical care even in regions with a shortage of highly skilled surgeons in a particular specialty. Telemedicine capabilities can further expand access to expert surgeons. The expansion of surgical robotics into new specialties has intensified competition among manufacturers. This competition drives innovation,

leading to the development of more advanced robotic systems and tools for specific medical fields. Hospitals and healthcare facilities recognize the economic benefits of offering a wider range of specialized robotic-assisted procedures. It can attract patients seeking advanced and specialized care, which can contribute to revenue growth. This factor will accelerate the demand of Global Surgical Robotics Market.

## Key Market Challenges

### Cost of Maintenance and Upgrades

Acquiring a surgical robotic system is a significant upfront investment for hospitals and healthcare facilities. However, this initial purchase is only the beginning of the financial commitment. Surgical robots require regular maintenance to ensure they function correctly and safely. Maintenance involves servicing, calibrating, and repairing components. Maintenance contracts with manufacturers or third-party service providers incur costs. The software that controls surgical robots needs to be regularly updated to improve functionality, address bugs, and ensure compatibility with other systems. These updates come with associated costs. Instruments and accessories used with surgical robots may need to be replaced or refurbished periodically due to wear and tear. These costs can add up over time. As technology advances, healthcare institutions may need to upgrade their existing robotic systems to stay competitive or take advantage of new features. Upgrades can be expensive and require additional investment. Surgical teams must undergo ongoing training and recertification to maintain their proficiency in using robotic systems. Training programs have associated costs, including instructor fees and equipment usage fees. When a surgical robot is taken offline for maintenance or upgrades, it can result in downtime for the operating room. This downtime can lead to revenue loss for healthcare facilities.

### Limited Access and Equity

The high cost of acquiring and maintaining surgical robotic systems can create financial barriers for many healthcare institutions, particularly those in resource-constrained regions. Large capital expenditures may not be feasible for smaller hospitals and clinics. Access to surgical robotics technology is not uniform across regions and countries. Larger, more economically developed urban areas tend to have better access to advanced medical technologies, including surgical robots, compared to rural or underserved areas. Regions with less developed healthcare infrastructure may lack the necessary facilities, trained personnel, and technical support to effectively adopt and utilize surgical robots. Economic disparities within and between countries can lead to



unequal access to healthcare resources. Patients in poor communities may have limited access to hospitals and facilities that offer robotic-assisted surgeries. In some regions, insurance coverage and reimbursement policies may not fully support the use of surgical robots. This can impact patient access to robotic-assisted procedures, as not all patients can afford to pay out of pocket. Surgical robotic systems require skilled operators. Limited access to training and educational programs can hinder healthcare professionals' ability to perform robotic surgeries effectively. While telemedicine and remote surgery can help expand access to specialized care, regions with inadequate internet infrastructure or technological resources may not fully benefit from these capabilities.

## Key Market Trends

### Miniaturization

Miniaturized surgical robots allow for even smaller incisions, contributing to less invasive procedures. Smaller incisions are associated with reduced postoperative pain, shorter hospital stays, and quicker recovery times. Smaller robotic instruments can navigate through tight spaces within the body more easily, making them suitable for procedures in anatomically challenging areas. Miniaturized robotic systems can be used for a broader range of procedures across various medical specialties, including those that involve delicate tissues or structures. Miniaturized robotic systems are particularly useful in pediatric surgery, where the size and scale of traditional robotic systems may not be suitable for young patients. Some miniaturized robotic systems are designed for single-port access, allowing surgeons to perform surgeries through a single incision. This approach further reduces scarring and trauma to the patient. Smaller robotic systems are well-suited for use in ambulatory surgery centers, which can provide more cost-effective and convenient options for patients. Miniaturization can lead to cost savings in terms of equipment size, maintenance, and storage, making surgical robotics more accessible to a wider range of healthcare facilities. Smaller robotic systems may have simpler set-up and installation requirements, which can reduce the time needed to prepare for surgery.

## Segmental Insights

### Type Insights

In 2022, the Global Surgical Robotics Market largest share was held by Surgical Systems segment and is predicted to continue expanding over the coming years.

Surgical robotic systems are complex and highly sophisticated medical devices that require significant investments by healthcare institutions. These systems include the robotic arms, consoles, instrument arms, and associated software. The initial purchase of these systems represents a substantial portion of the market value. Surgical robotic systems are considered capital equipment for hospitals and healthcare facilities. They are typically a one-time investment with long-term implications for the institution. Due to their high price tags, the surgical systems segment contributes significantly to the overall market value. Major players in the surgical robotics industry, such as Intuitive Surgical (maker of the da Vinci Surgical System), have been leaders in developing and commercializing these robotic systems. These companies have established a dominant presence in the market and have a substantial share of the surgical systems segment.

### Application Insights

In 2022, the Global Surgical Robotics Market largest share was held by General Surgery segment and is predicted to continue expanding over the coming years. General surgery encompasses a wide range of surgical procedures, including procedures related to the digestive system, abdominal organs, hernia repair, and more. Surgical robots are versatile tools that can be used for various general surgery procedures, making them well-suited for this segment. Many general surgery procedures have transitioned from traditional open surgeries to minimally invasive techniques. Surgical robots excel in minimally invasive surgery (MIS) as they offer enhanced precision and dexterity through small incisions. Patients and surgeons alike prefer MIS for its quicker recovery times and reduced postoperative pain.

### End User Insights

In 2022, the Global Surgical Robotics Market was dominated by Hospitals segment in the forecast period and is predicted to continue expanding over the coming years. Hospitals are the primary settings for performing a wide range of surgical procedures. Surgeons and medical professionals in hospitals were among the early adopters of surgical robotics technology due to its potential to enhance precision and improve patient outcomes. The clinical community's acceptance and endorsement of surgical robots played a crucial role in driving their adoption in hospital settings. Hospitals typically handle a high volume of surgical procedures, ranging from routine surgeries to complex and minimally invasive procedures. Surgical robots were seen as valuable tools to perform these procedures more efficiently and with greater precision.

### Regional Insights

The North America region dominates the Global Surgical Robotics Market in 2022. North America, especially the U.S., has a well-developed and technologically advanced healthcare infrastructure. This infrastructure includes many hospitals and medical facilities that can afford and integrate surgical robotic systems. U.S.-based companies like Intuitive Surgical (maker of the da Vinci Surgical System) have been at the forefront of developing and commercializing surgical robotics technology. These companies have invested heavily in research and development, pushing the boundaries of what surgical robots can achieve. North America saw widespread clinical acceptance of surgical robots across various medical specialties. Surgeons in the region embraced the technology for its potential to enhance precision and improve patient outcomes.

### Key Market Players

Asensus Surgical, Inc.

Siemens Healthineers AG

Brainlab AG

CMR Surgical Ltd.

Curexo, Inc.

Stryker Corporation

Globus Medical, Inc.

Smith & Nephew plc

Intuitive Surgical, Inc.

Johnson & Johnson

Kinova inc.

Medtronic plc

Report Scope:

*Surgical Robotics Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented...*



In this report, the Global Surgical Robotics Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Surgical Robotics Market, By Type:

Surgical Systems

Instruments and Accessories

Services

Surgical Robotics Market, By Application:

General Surgery

Urology Surgery

Gynecology Surgery

Orthopedic Surgery

Cardiology Surgery

Head and Neck (including Neurology) Surgery

Others

Surgical Robotics Market, By End User:

Hospitals

Ambulatory Surgery Centers

Others

Global Surgical Robotics Market, By region:

## North America

United States

Canada

Mexico

## Asia-Pacific

China

India

South Korea

Australia

Japan

## Europe

Germany

France

United Kingdom

Spain

Italy

## South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Surgical Robotics Market.

Available Customizations:

Global Surgical Robotics Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. VOICE OF CUSTOMER**

### **5. GLOBAL SURGICAL ROBOTICS MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Type (Surgical Systems, Instruments and Accessories, Services)
  - 5.2.2. By Application (General Surgery, Urology Surgery, Gynecology Surgery, Orthopedic Surgery, Cardiology Surgery, Head and Neck (including Neurology) Surgery, others)

5.2.3. By End User (Hospitals, Ambulatory Surgery Centers, Others)

5.2.4. By Company (2022)

5.3. Market Map

## **6. ASIA PACIFIC SURGICAL ROBOTICS MARKET OUTLOOK**

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Application

6.2.3. By End User

6.2.4. By Country

6.3. Asia Pacific: Country Analysis

6.3.1. China Surgical Robotics Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Type

6.3.1.2.2. By Application

6.3.1.2.3. By End User

6.3.2. India Surgical Robotics Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Type

6.3.2.2.2. By Application

6.3.2.2.3. By End User

6.3.3. Australia Surgical Robotics Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Type

6.3.3.2.2. By Application

6.3.3.2.3. By End User

6.3.4. Japan Surgical Robotics Market Outlook

6.3.4.1. Market Size & Forecast

6.3.4.1.1. By Value

6.3.4.2. Market Share & Forecast

- 6.3.4.2.1. By Type
- 6.3.4.2.2. By Application
- 6.3.4.2.3. By End User
- 6.3.5. South Korea Surgical Robotics Market Outlook
  - 6.3.5.1. Market Size & Forecast
    - 6.3.5.1.1. By Value
  - 6.3.5.2. Market Share & Forecast
    - 6.3.5.2.1. By Type
    - 6.3.5.2.2. By Application
    - 6.3.5.2.3. By End User

## **7. EUROPE SURGICAL ROBOTICS MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Type
  - 7.2.2. By Application
  - 7.2.3. By End User
  - 7.2.4. By Country
- 7.3. Europe: Country Analysis
  - 7.3.1. France Surgical Robotics Market Outlook
    - 7.3.1.1. Market Size & Forecast
      - 7.3.1.1.1. By Value
    - 7.3.1.2. Market Share & Forecast
      - 7.3.1.2.1. By Type
      - 7.3.1.2.2. By Application
      - 7.3.1.2.3. By End User
  - 7.3.2. Germany Surgical Robotics Market Outlook
    - 7.3.2.1. Market Size & Forecast
      - 7.3.2.1.1. By Value
    - 7.3.2.2. Market Share & Forecast
      - 7.3.2.2.1. By Type
      - 7.3.2.2.2. By Application
      - 7.3.2.2.3. By End User
  - 7.3.3. Spain Surgical Robotics Market Outlook
    - 7.3.3.1. Market Size & Forecast
      - 7.3.3.1.1. By Value
    - 7.3.3.2. Market Share & Forecast



- 7.3.3.2.1. By Type
- 7.3.3.2.2. By Application
- 7.3.3.2.3. By End User
- 7.3.4. Italy Surgical Robotics Market Outlook
  - 7.3.4.1. Market Size & Forecast
    - 7.3.4.1.1. By Value
  - 7.3.4.2. Market Share & Forecast
    - 7.3.4.2.1. By Type
    - 7.3.4.2.2. By Application
    - 7.3.4.2.3. By End User
- 7.3.5. United Kingdom Surgical Robotics Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Type
    - 7.3.5.2.2. By Application
    - 7.3.5.2.3. By End User

## **8. NORTH AMERICA SURGICAL ROBOTICS MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Type
  - 8.2.2. By Application
  - 8.2.3. By End User
  - 8.2.4. By Country
- 8.3. North America: Country Analysis
  - 8.3.1. United States Surgical Robotics Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Type
      - 8.3.1.2.2. By Application
      - 8.3.1.2.3. By End User
  - 8.3.2. Mexico Surgical Robotics Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast

- 8.3.2.2.1. By Type
- 8.3.2.2.2. By Application
- 8.3.2.2.3. By End User
- 8.3.3. Canada Surgical Robotics Market Outlook
  - 8.3.3.1. Market Size & Forecast
    - 8.3.3.1.1. By Value
  - 8.3.3.2. Market Share & Forecast
    - 8.3.3.2.1. By Type
    - 8.3.3.2.2. By Application
    - 8.3.3.2.3. By End User

## **9. SOUTH AMERICA SURGICAL ROBOTICS MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Type
  - 9.2.2. By Application
  - 9.2.3. By End User
  - 9.2.4. By Country
- 9.3. South America: Country Analysis
  - 9.3.1. Brazil Surgical Robotics Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Type
      - 9.3.1.2.2. By Application
      - 9.3.1.2.3. By End User
  - 9.3.2. Argentina Surgical Robotics Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Type
      - 9.3.2.2.2. By Application
      - 9.3.2.2.3. By End User
  - 9.3.3. Colombia Surgical Robotics Market Outlook
    - 9.3.3.1. Market Size & Forecast
      - 9.3.3.1.1. By Value
    - 9.3.3.2. Market Share & Forecast

- 9.3.3.2.1. By Type
- 9.3.3.2.2. By Application
- 9.3.3.2.3. By End User

## **10. MIDDLE EAST AND AFRICA SURGICAL ROBOTICS MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Type
  - 10.2.2. By Application
  - 10.2.3. By End User
  - 10.2.4. By Country
- 10.3. MEA: Country Analysis
  - 10.3.1. South Africa Surgical Robotics Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Type
      - 10.3.1.2.2. By Application
      - 10.3.1.2.3. By End User
  - 10.3.2. Saudi Arabia Surgical Robotics Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Type
      - 10.3.2.2.2. By Application
      - 10.3.2.2.3. By End User
  - 10.3.3. UAE Surgical Robotics Market Outlook
    - 10.3.3.1. Market Size & Forecast
      - 10.3.3.1.1. By Value
    - 10.3.3.2. Market Share & Forecast
      - 10.3.3.2.1. By Type
      - 10.3.3.2.2. By Application
      - 10.3.3.2.3. By End User

## **11. MARKET DYNAMICS**

- 11.1. Drivers

## 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

### 12.1. Recent Developments

### 12.2. Product Launches

### 12.3. Mergers & Acquisitions

## **13. GLOBAL CONTRAST MEDIA AGENT AND INJECTOR SYSTEM MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

### 14.1. Competition in the Industry

### 14.2. Potential of New Entrants

### 14.3. Power of Suppliers

### 14.4. Power of Customers

### 14.5. Threat of Substitute Product

## **15. PESTLE ANALYSIS**

## **16. COMPETITIVE LANDSCAPE**

### 16.1. Asensus Surgical, Inc.

#### 16.1.1. Business Overview

#### 16.1.2. Company Snapshot

#### 16.1.3. Products & Services

#### 16.1.4. Financials (In case of listed companies)

#### 16.1.5. Recent Developments

#### 16.1.6. SWOT Analysis

### 16.2. Siemens Healthineers AG

#### 16.2.1. Business Overview

#### 16.2.2. Company Snapshot

#### 16.2.3. Products & Services

#### 16.2.4. Financials (In case of listed companies)

#### 16.2.5. Recent Developments

#### 16.2.6. SWOT Analysis

### 16.3. Brainlab AG

#### 16.3.1. Business Overview

- 16.3.2. Company Snapshot
- 16.3.3. Products & Services
- 16.3.4. Financials (In case of listed companies)
- 16.3.5. Recent Developments
- 16.3.6. SWOT Analysis
- 16.4. CMR Surgical Ltd.
  - 16.4.1. Business Overview
  - 16.4.2. Company Snapshot
  - 16.4.3. Products & Services
  - 16.4.4. Financials (In case of listed companies)
  - 16.4.5. Recent Developments
  - 16.4.6. SWOT Analysis
- 16.5. Curexo, Inc.
  - 16.5.1. Business Overview
  - 16.5.2. Company Snapshot
  - 16.5.3. Products & Services
  - 16.5.4. Financials (In case of listed companies)
  - 16.5.5. Recent Developments
  - 16.5.6. SWOT Analysis
- 16.6. Stryker Corporation
  - 16.6.1. Business Overview
  - 16.6.2. Company Snapshot
  - 16.6.3. Products & Services
  - 16.6.4. Financials (In case of listed companies)
  - 16.6.5. Recent Developments
  - 16.6.6. SWOT Analysis
- 16.7. Globus Medical, Inc.
  - 16.7.1. Business Overview
  - 16.7.2. Company Snapshot
  - 16.7.3. Products & Services
  - 16.7.4. Financials (In case of listed companies)
  - 16.7.5. Recent Developments
  - 16.7.6. SWOT Analysis
- 16.8. Smith & Nephew plc
  - 16.8.1. Business Overview
  - 16.8.2. Company Snapshot
  - 16.8.3. Products & Services
  - 16.8.4. Financials (In case of listed companies)
  - 16.8.5. Recent Developments

- 16.8.6. SWOT Analysis
- 16.9. Intuitive Surgical, Inc.
  - 16.9.1. Business Overview
  - 16.9.2. Company Snapshot
  - 16.9.3. Products & Services
  - 16.9.4. Financials (In case of listed companies)
  - 16.9.5. Recent Developments
  - 16.9.6. SWOT Analysis
- 16.10. Johnson & Johnson
  - 16.10.1. Business Overview
  - 16.10.2. Company Snapshot
  - 16.10.3. Products & Services
  - 16.10.4. Financials (In case of listed companies)
  - 16.10.5. Recent Developments
  - 16.10.6. SWOT Analysis
- 16.11. Kinova inc.
  - 16.11.1. Business Overview
  - 16.11.2. Company Snapshot
  - 16.11.3. Products & Services
  - 16.11.4. Financials (In case of listed companies)
  - 16.11.5. Recent Developments
  - 16.11.6. SWOT Analysis
- 16.12. Medtronic plc
  - 16.12.1. Business Overview
  - 16.12.2. Company Snapshot
  - 16.12.3. Products & Services
  - 16.12.4. Financials (In case of listed companies)
  - 16.12.5. Recent Developments
  - 16.12.6. SWOT Analysis

## **17. STRATEGIC RECOMMENDATIONS**

About Us & Disclaimer



## I would like to order

Product name: Surgical Robotics Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented by Type (Surgical Systems, Instruments and Accessories, Services), by Application (General Surgery, Urology Surgery, Gynecology Surgery, Orthopedic Surgery, Cardiology Surgery, Head and Neck (including Neurology) Surgery, others), by End User (Hospitals, Ambulatory Surgery Centers, Others), by region, and Competition

Product link: <https://marketpublishers.com/r/SBA5F0C807FEEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SBA5F0C807FEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970