







# Robot-Assisted Surgical Systems Market Size, Strategies & Key Players Review by Forecast to 2032

## Market Overview

It is projected that the global [robot-assisted surgical system market size](#) is projected to reach at a CAGR 16.5% During the forecast period 2023-2032. Medical robotics technology is undergoing a tremendous transformation. Advancements in various fronts are being observed, which is providing an impetus to the application potential of healthcare robotics. The arrival of 3D imaging, HD surgical microscopic cameras, robotic catheter control system (CCS), data recorders & data analytics and remote navigation has enabled the undertaking of highly complex surgical procedures.

The growing need for high surgical accuracy is driving the adoption of robot-assisted surgical systems. Moreover, an increased number of surgical procedures due to factors such as a higher prevalence of trauma injuries, and rising geriatric population. Healthcare robotics boasts a strong R&D pipeline, which indicates towards a brighter future. Companies are actively focusing on developing innovative products and their fast commercialization. For instance, the US FDA approved Intuitive Surgical's the da Vinci SP surgical system, which can be used in critical urologic surgical procedures in May 2018. However, the path is not without hurdles, high cost of such devices, market customer pool limited. Product penetration remains sluggish in price-sensitive markets.

## Global Robot-Assisted Surgical Systems Market: Competition Analysis

The Robot-Assisted Surgical Systems Market Players are Renishaw Plc, Stryker Corporation (MAKO Surgical Corp.), Accuracy, Health Robotics S.R.L., Auris Surgical Robotics, Inc. (Hansen Medical Inc.), Medtronic plc, Zimmer Biomet Holdings Inc., Verb Surgical, Titan Medical, Microbot Medical, Varian, Smith & Nephew Plc. (Blue Belt Technologies, Inc.), Transenterix, KUKA AG, Medrobotics, Intuitive Surgical Inc, THINK Surgical Inc., and Mazor Robotics are among the key companies profiled in MRFR's report.

## Global Robot-Assisted Surgical Systems Market: Segmental Analysis

The segmental analysis of the global [robot-assisted surgical systems market](#) has been conducted on the basis of end user, product, and application.

On the basis of end user, the market has been segmented into healthcare payers, healthcare providers and others. Based on product, the market has been segmented into rehabilitation robots, hospital and pharmacy robots, emergency response robotic systems, surgical robots and non-invasive radiosurgery robots. The rehabilitation robots segment covers prosthetics, therapeutic robots, robotic exoskeleton systems, orthotics and assistive robots. The hospital and pharmacy robots segment covers IV robots, cart transportation robots, pharmacy robots and telemedicine robots. The surgical robot segment covers laparoscopy robotic systems, robotic neurosurgical systems, and orthopedic surgical robots. Categories of laparoscopy robotics systems include Da Vinci robotic surgery system, Steerable Robotic Catheters, FreeHand endoscope holder system and Telelap ALF-X surgical system. Categories of robotic neurosurgical systems include NeuroMate surgical system, Renaissance surgical system and Pathfinder surgical system. Categories of orthopedic surgical robots include Robodoc surgical system, iBlock surgical system, MAKO RIO surgical system, Stanmore Sculptor surgical system and Navio PFS surgical system. On the basis of application, the market has been segmented into orthopedics robotic systems, special education, laparoscopy and neurology.

