Robot-Assisted Surgical SystemsMarket Outlook, Size, Share, Key Companies, Market Trends,Growth faaa

Market Overview

It is projected that the global [robot-assisted surgical system market share](#) is projected to reach at a CAGR 16.5% During the forecast period 2023-2032.Medical robotics technology is undergoing a tremendous transformation. Advancements invarious fronts are being observed, which is providingan impetus to the application potential of healthcarerobotics. The arrival of 3D imaging, HD surgical microscopic cameras, robotic catheter controlsystem (CCS), data recorders & data analytics andremote navigation has enabled the undertaking ofhighly complex surgical produces.

The growing need for high surgical accuracy isdriving the adoption of robot-assisted surgicalsystems. Moreover, an increased number of surgicalprocedures due factors such as a higher prevalenceoftrauma injuries, and rising geriatric population.Healthcare robotics boasts a strong R&D pipeline,whichindicates towards a brighter future.Companies are actively focusing on devlopinginnovative productsand their fast commercialization.For instanace, the US FDA approved IntuitiveSurgical's the da Vinci SPsurgical system, whichcan be used in critical urologic surgical proceduresin May 2018. However, thepath is not withouthurdles, high cost of such devices market customerpool limited. Product penetrationremains sluggish inprice-sensitive markets.

Global Robot-Assisted Surgical Systems Market: Competition Analysis

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

Global Robot-Assisted Surgical Systems Market: Segmental Analysis

The segmental analysis of the global [robot-assisted surgical systems market outlook](#) 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 andPathfinder 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.