Medical Robotics Market Analysis: By Surgical Robots (Neurosurgical, Orthopedic, Laparoscopy); Rehabilitation (Exoskeleton, Prosthetic, Assistive); Telemedicine and Hospital Robots - With Forecast (2015 - 2020)

Description:
Medical robotics is developed to improve the clinical effectiveness of conventional modes of therapy. The medical robotics market is classified based on device type into surgical robots, rehabilitation robots, robotic catheters, non-invasive radio surgery robots, telemedicine robots and hospital robots. The surgical robots are further classified based on application into neurosurgical, orthopedic and laparoscopic robots. The surgical robots are generating major revenue among all the segments of medical robots. The objective in developing surgical robots is rooted in the need for overcoming limitations of conventional surgical procedures. There are devices which can be used for performing many kinds of surgeries and some robots can be used for performing a single kind of surgery such as orthopedic and spinal surgeries.

Rehabilitation robots replace the traditional occupational and physiotherapies. Rehabilitation robots are further classified into exoskeleton robots, prosthetic robots and assistive robots. Exoskeleton robots are generating the major revenue in rehabilitation robots market.

The key players in this market include:
Hocoma AG,
Ekso bionics
ReWalk robotics.
Robotic catheter systems are used for positioning and controlling of catheters. Hansen medical Inc. produces robotic catheter systems which have application in performing various kinds of electrophysiology procedures. Pain less cancer therapy can be assured with the aid of non-invasive radio surgery robots which can deliver accurate doses of ionizing radiation to destroy tumors. Robot assisted radio surgery market is dominated by companies such as Accuray Inc. and Varian medical systems. Telemedicine robots provide digital consulting and patient monitoring services. Hospital robots include delivery and transportation robots and also disinfection robots. Hospital robots reduce the work burden on clinical staff and improve the intra hospital logistics.

In this report different market aspects are explored with particular focus on key market drivers, challenges, constraints and market landscape. The Global market has been thoroughly analyzed and carefully segmented based on geographic locations.

Major market players are profiled along with company overview, financial status, business strategies, product portfolio, recent trends and developments.

The prominent players profiled in this report are:
Intuitive Surgical Inc.
Accuray Inc.
Stryker Corporation
Mazor Robotics Ltd.

The report details current market potential and future market growth in this industry. Overall the report contains the most detailed and in depth segmentation and analysis of the Global Medical Robotics Market during the forecast period 2015-2020.

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