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Medical Robots Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2015–2023

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Abstracts

Medical robots are used in the field of medical science. There are different types of medical robots, such as surgical robots (used for surgical operations), rehabilitation robots (used for rehabilitation process through the application of robotic devices), biorobots (used to imitate animals and humans), telepresence robots (allow off-site medical services), pharmacy automation (helps to dispense medicines), and disinfection robots (help in disinfecting the whole room). The global medical robots market is expected to grow at a CAGR of 22.3% from 2017 to 2023.

On the basis of product, the market is divided into instruments & accessories, telemedicine robots, and medical robot systems. By application, it is classified into laparoscopy, orthopedics, neurology, special education, and other applications. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted into the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Rising number of hospitals

High adoption of medical robots

Rising prevalence of diseases, such as cardiac disease, cancer, and others

Increasing funding for medical robot research

Restraints:

High cost of medical robots

Stringent reimbursement policies

MARKET PLAYERS:

Market players are adopting different strategies, such as product launch, product development, acquisitions, and collaborations for achieving a greater market share. The top players in the global medical robot market include Intuitive Surgical, Inc., Kirby Lester, LLC, Stryker Corporation, ARxIUM, Mazor Robotics Limited, Hocoma AG, Hansen Medical, Inc., Omnicell, Inc., Accuray Incorporated, and Ekso Bionics Holdings, Inc.

KEY TAKEAWAYS

The report entails detailed quantitative analysis of the current market and estimations from 2015 to 2023 to identify the prevailing market opportunities.

For a better understanding of market behavior, the report provides in-depth analyses of the drivers, restraints, and opportunities that shape the market structure.

The report includes strategies, such as new product launches, partnerships, and acquisitions by key leaders.

Porter’s Five Forces analysis determines competitive structure of the market to assist in strategy formulation.

Regional and country-level analyses of the market have been provided in the report.

The report provides extensive qualitative insights into the potential and niche segments or regions exhibiting favorable growth.

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MARKET LANDSCAPE

By Product

Instruments & Accessories

Medical Robot Systems

Surgical Robots

Neurological Surgery Robotic Systems

Cardiology Surgery Robotic Systems

Laparoscopic Surgical Robotic Systems

Orthopedic Surgical Robotic Systems

Steerable Robotics

Hospital & Pharmacy Robots

Pharmacy automation robots

IV Robots

Rehabilitation Robots

Assistive Robots

Therapeutic Robots

Exoskeleton Robots

Prosthetic Robots

Noninvasive Radiosurgery Robots

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Telemedicine Robots

Other Medical Robotic Systems

By Application

Laparoscopy

Neurology

Orthopedics

Special Education

Other Applications

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

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Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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