

Global Healthcare Robotics Market Report and Forecast 2023-2031

Market Report | 2023-07-04 | 140 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$5999.00
- Five User License \$7999.00
- Corporate License \$9999.00

Report description:

Global Healthcare Robotics Market Report and Forecast 2023-2031

Global Healthcare Robotics Market Outlook

The global healthcare robotics market value was USD 10.8 billion in 2022, driven by the rising prevalence of chronic diseases and the aging population across the globe. The market size is anticipated to grow at a CAGR of 17.1% during the forecast period of 2023-2031 to achieve a value of USD 44.7 billion by 2031.

Healthcare Robotics: Introduction

Healthcare robotics refers to the use of robotic systems and technologies in healthcare settings to perform various tasks and procedures. These robotic systems are designed to assist healthcare professionals, enhance patient care, improve efficiency, and facilitate precision and accuracy in medical procedures.

Robotic technologies in healthcare have evolved rapidly in recent years, enabling advancements in surgical procedures, rehabilitation therapy, patient monitoring, diagnostics, and medication management. They can be utilized in various areas such as hospitals, clinics, nursing homes, and home care settings.

The introduction of healthcare robotics has revolutionized the way medical procedures are performed, offering numerous benefits such as:

- Precision and Accuracy: Robotic systems can perform complex and delicate procedures with high precision, reducing the risk of human error and improving patient outcomes.
- Minimally Invasive Surgery: Robotic-assisted surgical systems enable surgeons to perform minimally invasive procedures with enhanced dexterity and visualization, resulting in smaller incisions, reduced pain, faster recovery, and better cosmetic outcomes for patients.
- Telemedicine and Remote Care: Robots and telepresence devices can be used for remote patient monitoring, teleconsultations, and tele-surgeries, allowing healthcare providers to reach patients in remote areas, improve access to care, and reduce the need for patient travel.
- Rehabilitation and Physical Therapy: Robotic devices can assist in rehabilitation therapy by providing targeted exercises, improving mobility, and facilitating recovery for patients with physical disabilities or injuries.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-□Workflow Optimization: Healthcare robots can automate repetitive tasks such as medication dispensing, inventory management, and patient transportation, freeing up healthcare professionals to focus on more complex and critical aspects of patient care.

Key Trends in the Global Healthcare Robotics Market

Key trends in the healthcare robotics market include:

-□Advancements in Artificial Intelligence (AI): Integration of AI technologies enables robots to learn, adapt, and make autonomous decisions, leading to more sophisticated and intelligent robotic systems.

-□Collaboration and Coexistence: Collaborative robots, or cobots, are designed to work alongside humans in a shared workspace, assisting with tasks while ensuring safety and efficiency. Coexistence of humans and robots is becoming more common, enhancing teamwork and productivity.

-□Personalized and Customized Robotics: The development of customizable robotic systems that can be tailored to individual patient needs is a growing trend, allowing for personalized care and treatment.

-□Robotics in Home Healthcare: The use of robots in home healthcare settings is increasing, providing assistance to elderly or disabled individuals for activities of daily living, medication management, and remote monitoring.

-□Data Analytics and Connectivity: Robotics systems are increasingly connected to data analytics platforms, allowing for real-time monitoring, data analysis, and decision support, leading to more efficient and effective healthcare delivery.

Global Healthcare Robotics Market Segmentations

Market Breakup by Type

-□Surgical

-□Non-Surgical

-□Hospital Logistics Robots

-□Rehabilitation Robots

-□Telepresence Robots

-□Radiotherapy Robots

-□Others

Market Breakup by Product

-□Da Vinci

-□Mako System

-□Sensei X Robotics System

-□The CorPath System

-□Cyber Knife

-□Others

Market Breakup by Applications

-□General Surgery

-□Gynecology

-□Urology Surgery

-□Colorectal Surgery

-□Orthopedic

-□Others

Market Breakup by End User

-□Hospitals and Clinics

-□Rehabilitation Centers

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-[]Others

Market Breakup by Region

-[]North America

-[]Europe

-[]Asia Pacific

-[]Latin America

-[]Middle East and Africa

Global Healthcare Robotics Market Scenario

The healthcare robotics market is witnessing significant growth and transformation as robotic technologies are increasingly integrated into various healthcare applications. The market for healthcare robotics includes surgical robots, rehabilitation robots, telemedicine robots, pharmacy robots, and more. These robots are designed to assist healthcare professionals, improve patient outcomes, enhance efficiency, and address the growing demands of the healthcare industry.

The market introduction of healthcare robotics is driven by several factors. First, the rising prevalence of chronic diseases and the aging population create a greater need for advanced medical technologies that can provide personalized and efficient care. Healthcare robotics offer solutions for minimally invasive surgeries, rehabilitation therapies, remote patient monitoring, and other healthcare tasks, thereby improving patient care and outcomes.

Second, advancements in robotic technologies, such as artificial intelligence, machine learning, and computer vision, have enhanced the capabilities of healthcare robots. These technologies enable robots to perform complex procedures with precision, adapt to changing environments, and provide personalized care based on patient-specific data.

Another key factor driving the market is the increasing focus on reducing healthcare costs and improving operational efficiency. Healthcare robots can automate repetitive tasks, streamline workflows, and optimize resource allocation, leading to cost savings and improved productivity for healthcare facilities.

Global Healthcare Robotics Market: Competitor Landscape

The key features of the market report include patent analysis, grants analysis, clinical trials analysis, funding and investment analysis, partnerships, and collaborations analysis by the leading key players. The major companies in the market are as follows:

-[]Accuray Inc.

-[]Aethon, Inc.

-[]Ekso Bionics Holdings Inc.

-[]Hansen Medical Inc.

-[]Intuitive Surgical Inc.

-[]Johnson & Johnson

-[]Medrobotics Corporation

-[]Microbot Medical, Inc.

-[]Rewalk Robotics

-[]Smith & Nephew plc.

-[]Stryker Corporation

-[]Titan Medical Inc.

-[]TransEnterix, Inc.

-[]Varian Medical Systems Inc.

-[]Zimmer Biomet

*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

Table of Contents:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 1 Preface
- 1.1 Objectives of the Study
- 1.2 Key Assumptions
- 1.3 Report Coverage - Key Segmentation and Scope
- 1.4 Research Methodology
- 2 Executive Summary
- 3 Global Healthcare Robotics Market Overview
- 3.1 Global Healthcare Robotics Market Historical Value (2016-2022)
- 3.2 Global Healthcare Robotics Market Forecast Value (2023-2031)
- 4 Global Healthcare Robotics Market Dynamics
- 4.1 Market Drivers and Constraints
- 4.2 SWOT Analysis
- 4.3 Porter's Five Forces Model
- 4.4 Key Demand Indicators
- 4.5 Key Price Indicators
- 4.6 Industry Events, Initiatives, and Trends
- 4.7 Value Chain Analysis
- 5 Global Healthcare Robotics Market Segmentation
- 5.1 Global Healthcare Robotics Market by Type
- 5.1.1 Market Overview
- 5.1.2 Surgical
- 5.1.3 Non-Surgical
- 5.1.3.1 Hospital Logistics Robots
- 5.1.3.2 Rehabilitation Robots
- 5.1.3.3 Telepresence Robots
- 5.1.3.4 Radiotherapy Robots
- 5.1.3.5 Others
- 5.2 Global Healthcare Robotics Market by Product
- 5.2.1 Market Overview
- 5.2.2 Da Vinci
- 5.2.3 Mako System
- 5.2.4 Sensei X Robotics System
- 5.2.5 The CorPath System
- 5.2.6 Cyber Knife
- 5.2.7 Others
- 5.3 Global Healthcare Robotics Market by Application
- 5.3.1 Market Overview
- 5.3.2 General Surgery
- 5.3.3 Gynaecology
- 5.3.4 Urology Surgery
- 5.3.5 Colorectal Surgery
- 5.3.6 Orthopaedic
- 5.3.7 Others
- 5.4 Global Healthcare Robotics Market by End User
- 5.4.1 Market Overview
- 5.4.2 Hospitals and Clinics
- 5.4.3 Rehabilitation Centres

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.4.4 Others
- 5.5 Global Healthcare Robotics Market by Region
 - 5.5.1 Market Overview
 - 5.5.2 North America
 - 5.5.3 Europe
 - 5.5.4 Asia Pacific
 - 5.5.5 Latin America
 - 5.5.6 Middle East and Africa
- 6 North America Healthcare Robotics Market
 - 6.1 Market Share by Country
 - 6.2 United States of America
 - 6.3 Canada
- 7 Europe Healthcare Robotics Market
 - 7.1 Market Share by Country
 - 7.2 United Kingdom
 - 7.3 Germany
 - 7.4 France
 - 7.5 Italy
 - 7.6 Others
- 8 Asia Pacific Healthcare Robotics Market
 - 8.1 Market Share by Country
 - 8.2 China
 - 8.3 Japan
 - 8.4 India
 - 8.5 ASEAN
 - 8.6 Australia
 - 8.7 Others
- 9 Latin America Healthcare Robotics Market
 - 9.1 Market Share by Country
 - 9.2 Brazil
 - 9.3 Argentina
 - 9.4 Mexico
 - 9.5 Others
- 10 Middle East and Africa Healthcare Robotics Market
 - 10.1 Market Share by Country
 - 10.2 Saudi Arabia
 - 10.3 United Arab Emirates
 - 10.4 Nigeria
 - 10.5 South Africa
 - 10.6 Others
- 11 Patent Analysis
 - 11.1 Analysis by Type of Patent
 - 11.2 Analysis by Publication year
 - 11.3 Analysis by Issuing Authority
 - 11.4 Analysis by Patent Age
 - 11.5 Analysis by CPC Analysis
 - 11.6 Analysis by Patent Valuation

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.7□Analysis by Key Players
- 12□Grants Analysis
 - 12.1□Analysis by year
 - 12.2□Analysis by Amount Awarded
 - 12.3□Analysis by Issuing Authority
 - 12.4□Analysis by Grant Application
 - 12.5□Analysis by Funding Institute
 - 12.6□Analysis by NIH Departments
 - 12.7□Analysis by Recipient Organization
- 13□Funding Analysis
 - 13.1□Analysis by Funding Instances
 - 13.2□Analysis by Type of Funding
 - 13.3□Analysis by Funding Amount
 - 13.4□Analysis by Leading Players
 - 13.5□Analysis by Leading Investors
 - 13.6□Analysis by Geography
- 14□Partnership and Collaborations Analysis
 - 14.1□Analysis by Partnership Instances
 - 14.2□Analysis by Type of Partnership
 - 14.3□Analysis by Leading Players
 - 14.4□Analysis by Geography
- 15□Regulatory Framework
 - 15.1□Regulatory Overview
 - 15.1.1□US FDA
 - 15.1.2□EU EMA
 - 15.1.3□INDIA CDSCO
 - 15.1.4□JAPAN PMDA
 - 15.1.5□Others
- 16□Supplier Landscape
 - 16.1□Accuray Inc.
 - 16.1.1□Financial Analysis
 - 16.1.2□Product Portfolio
 - 16.1.3□Demographic Reach and Achievements
 - 16.1.4□Mergers and Acquisition
 - 16.1.5□Certifications
 - 16.2□Aethon, Inc.
 - 16.2.1□Financial Analysis
 - 16.2.2□Product Portfolio
 - 16.2.3□Demographic Reach and Achievements
 - 16.2.4□Mergers and Acquisition
 - 16.2.5□Certifications
 - 16.3□Ekso Bionics Holdings Inc.
 - 16.3.1□Financial Analysis
 - 16.3.2□Product Portfolio
 - 16.3.3□Demographic Reach and Achievements
 - 16.3.4□Mergers and Acquisition
 - 16.3.5□Certifications

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16.4 □ Hansen Medical Inc.
 - 16.4.1 □ Financial Analysis
 - 16.4.2 □ Product Portfolio
 - 16.4.3 □ Demographic Reach and Achievements
 - 16.4.4 □ Mergers and Acquisition
 - 16.4.5 □ Certifications
- 16.5 □ Intuitive Surgical Inc.
 - 16.5.1 □ Financial Analysis
 - 16.5.2 □ Product Portfolio
 - 16.5.3 □ Demographic Reach and Achievements
 - 16.5.4 □ Mergers and Acquisition
 - 16.5.5 □ Certifications
- 16.6 □ Johnson & Johnson
 - 16.6.1 □ Financial Analysis
 - 16.6.2 □ Product Portfolio
 - 16.6.3 □ Demographic Reach and Achievements
 - 16.6.4 □ Mergers and Acquisition
 - 16.6.5 □ Certifications
- 16.7 □ Medrobotics Corporation
 - 16.7.1 □ Financial Analysis
 - 16.7.2 □ Product Portfolio
 - 16.7.3 □ Demographic Reach and Achievements
 - 16.7.4 □ Mergers and Acquisition
 - 16.7.5 □ Certifications
- 16.8 □ Microbot Medical, Inc.
 - 16.8.1 □ Financial Analysis
 - 16.8.2 □ Product Portfolio
 - 16.8.3 □ Demographic Reach and Achievements
 - 16.8.4 □ Mergers and Acquisition
 - 16.8.5 □ Certifications
- 16.9 □ Rewalk Robotics
 - 16.9.1 □ Financial Analysis
 - 16.9.2 □ Product Portfolio
 - 16.9.3 □ Demographic Reach and Achievements
 - 16.9.4 □ Mergers and Acquisition
 - 16.9.5 □ Certifications
- 16.10 □ Smith & Nephew plc.
 - 16.10.1 □ Financial Analysis
 - 16.10.2 □ Product Portfolio
 - 16.10.3 □ Demographic Reach and Achievements
 - 16.10.4 □ Mergers and Acquisition
 - 16.10.5 □ Certifications
- 16.11 □ Stryker Corporation
 - 16.11.1 □ Financial Analysis
 - 16.11.2 □ Product Portfolio
 - 16.11.3 □ Demographic Reach and Achievements
 - 16.11.4 □ Mergers and Acquisition

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16.11.5□Certifications
- 16.12□Titan Medical Inc.
 - 16.12.1□Financial Analysis
 - 16.12.2□Product Portfolio
 - 16.12.3□Demographic Reach and Achievements
 - 16.12.4□Mergers and Acquisition
 - 16.12.5□Certifications
- 16.13□TransEnterix, Inc.
 - 16.13.1□Financial Analysis
 - 16.13.2□Product Portfolio
 - 16.13.3□Demographic Reach and Achievements
 - 16.13.4□Mergers and Acquisition
 - 16.13.5□Certifications
- 16.14□Varian Medical Systems Inc.
 - 16.14.1□Financial Analysis
 - 16.14.2□Product Portfolio
 - 16.14.3□Demographic Reach and Achievements
 - 16.14.4□Mergers and Acquisition
 - 16.14.5□Certifications
- 16.15□Zimmer Biomet
 - 16.15.1□Financial Analysis
 - 16.15.2□Product Portfolio
 - 16.15.3□Demographic Reach and Achievements
 - 16.15.4□Mergers and Acquisition
 - 16.15.5□Certifications
- 17□Global Healthcare Robotics Market - Distribution Model (Additional Insight)
 - 17.1□Overview
 - 17.2□Potential Distributors
 - 17.3□Key Parameters for Distribution Partner Assessment
- 18□Key Opinion Leaders (KOL) Insights (Additional Insight)
- 19□Company Competitiveness Analysis (Additional Insight)
 - 19.1□Very Small Companies
 - 19.2□Small Companies
 - 19.3□Mid-Sized Companies
 - 19.4□Large Companies
 - 19.5□Very Large Companies
- 20□Payment Methods (Additional Insight)
 - 20.1□Government Funded
 - 20.2□Private Insurance
 - 20.3□Out-of-Pocket

*Additional insights provided are customisable as per client requirements.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Global Healthcare Robotics Market Report and Forecast 2023-2031

Market Report | 2023-07-04 | 140 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$5999.00
	Five User License	\$7999.00
	Corporate License	\$9999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-11"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com