

Healthcare Robotics Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Surgical Robots, Telemedicine Robots, Rehabilitation Robots, Non-invasive Radiosurgery Robots, Pharmacy and Hospital Automation Robots), By Application (Neurology Applications, Cardiology Applications, Orthopedic Applications, Laparoscopic Applications, Others), By End User (Hospitals, Specialty Clinics, Research Institutes, Ambulatory Surgical Centers, Laboratories, Rehabilitation Centers, Others), By Region and Competition, 2020-2030F

Market Report | 2025-11-24 | 180 pages | TechSci Research

AVAILABLE LICENSES:

- Single User License \$4500.00
- Multi-User License \$5500.00
- Custom Research License \$8000.00

Report description:

Market Overview

The Global Healthcare Robotics Market, valued at USD 9.64 Billion in 2024, is projected to experience a CAGR of 8.06% to reach USD 15.35 Billion by 2030. The global healthcare robotics market encompasses automated or semi-automated machines designed to assist in diverse medical tasks, ranging from precision surgical procedures and patient rehabilitation to essential administrative support and supply chain logistics within healthcare facilities. This market's expansion is fundamentally driven by an aging global demographic, which necessitates advanced care solutions, coupled with the rising demand for minimally invasive surgeries that offer improved patient outcomes and reduced recovery times.

Key Market Drivers

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Advancements in robotics and artificial intelligence critically drive the global healthcare robotics market by expanding system capabilities and operational scope. Continuous innovation delivers more precise, adaptive, and autonomous robots, enhancing their utility in medical specializations. Advanced algorithms enable robots to execute delicate procedures with improved accuracy, minimizing human variability. According to PubMed, in June 2025, a review of 25 peer-reviewed studies indicated that AI-assisted robotic surgeries improved surgical precision by 40%. These technological improvements foster greater provider confidence, leading to broader adoption and increased investment in advanced platforms.

Key Market Challenges

The substantial initial investment necessary for procuring and implementing advanced robotic systems presents a significant impediment to the broader expansion of the global healthcare robotics market. These considerable financial outlays, often extending into millions for sophisticated surgical platforms, create a formidable barrier for numerous healthcare institutions, particularly smaller facilities and those operating within more constrained budgets. This financial hurdle limits widespread adoption, despite the acknowledged advantages in precision surgical procedures, patient rehabilitation, and operational efficiencies. The cost prevents many potential buyers from engaging with the market, directly restricting the volume of units that can be sold.

Key Market Trends

The expansion of tele-robotics and remote care solutions significantly reshapes healthcare delivery by extending specialized medical services beyond traditional boundaries. This enables professionals to conduct virtual consultations, remote patient monitoring, and surgical assistance from distant locations, greatly enhancing accessibility for underserved areas. According to the International Federation of Robotics, sales of medical robots, which encompass systems supporting remote capabilities, grew by 91% in 2024, reaching approximately 16,700 units globally. A notable innovation, Endiatx's remote-controlled, swallowable PillBot, highlighted by the World Economic Forum in June 2025, exemplifies growing remote diagnostics by allowing patients to interact with gastroenterologists from home.

Key Market Players

- [i]iRobot Corporation
- [T]Titan Medical Inc.
- [H]Hansen Technologies Ltd
- [R]Renishaw plc
- [I]Intuitive Surgical, Inc.
- [M]Medtronic Plc
- [D]DENSO Products and Services Americas, Inc.
- [A]Accuray Incorporated
- [S]Stryker Corporation
- [V]Varian Medical Systems, Inc.

Report Scope:

In this report, the Global Healthcare Robotics Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- [H]Healthcare Robotics Market, By Product:

- o Surgical Robots
- o Telemedicine Robots
- o Rehabilitation Robots
- o Non-invasive Radiosurgery Robots
- o Pharmacy and Hospital Automation Robots

- [H]Healthcare Robotics Market, By Application:

- o Neurology Applications
- o Cardiology Applications
- o Orthopedic Applications
- o Laparoscopic Applications

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- o Others

- Healthcare Robotics Market, By End User:

- o Hospitals
- o Specialty Clinics
- o Research Institutes
- o Ambulatory Surgical Centers
- o Laboratories
- o Rehabilitation Centers
- o Others

- Healthcare Robotics Market, By Region:

- o North America
 - United States
 - Canada
 - Mexico
- o Europe
 - France
 - United Kingdom
 - Italy
 - Germany
 - Spain
- o Asia Pacific
 - China
 - India
 - Japan
 - Australia
 - South Korea
- o South America
 - Brazil
 - Argentina
 - Colombia
- o Middle East & Africa
 - South Africa
 - Saudi Arabia
 - UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Healthcare Robotics Market.

Available Customizations:

Global Healthcare Robotics Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

Table of Contents:

1. Product Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Market

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 1.2.1. Markets Covered
- 1.2.2. Years Considered for Study
- 1.2.3. Key Market Segmentations
- 2. Research Methodology
 - 2.1. Objective of the Study
 - 2.2. Baseline Methodology
 - 2.3. Key Industry Partners
 - 2.4. Major Association and Secondary Sources
 - 2.5. Forecasting Methodology
 - 2.6. Data Triangulation & Validation
 - 2.7. Assumptions and Limitations
- 3. Executive Summary
 - 3.1. Overview of the Market
 - 3.2. Overview of Key Market Segmentations
 - 3.3. Overview of Key Market Players
 - 3.4. Overview of Key Regions/Countries
 - 3.5. Overview of Market Drivers, Challenges, Trends
- 4. Voice of Customer
- 5. Global Healthcare Robotics Market Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value
 - 5.2. Market Share & Forecast
 - 5.2.1. By Product (Surgical Robots, Telemedicine Robots, Rehabilitation Robots, Non-invasive Radiosurgery Robots, Pharmacy and Hospital Automation Robots)
 - 5.2.2. By Application (Neurology Applications, Cardiology Applications, Orthopedic Applications, Laparoscopic Applications, Others)
 - 5.2.3. By End User (Hospitals, Specialty Clinics, Research Institutes, Ambulatory Surgical Centers, Laboratories, Rehabilitation Centers, Others)
 - 5.2.4. By Region
 - 5.2.5. By Company (2024)
 - 5.3. Market Map
- 6. North America Healthcare Robotics Market Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Product
 - 6.2.2. By Application
 - 6.2.3. By End User
 - 6.2.4. By Country
 - 6.3. North America: Country Analysis
 - 6.3.1. United States Healthcare Robotics Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product
 - 6.3.1.2.2. By Application
 - 6.3.1.2.3. By End User

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 6.3.2. Canada Healthcare Robotics Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product
 - 6.3.2.2.2. By Application
 - 6.3.2.2.3. By End User
- 6.3.3. Mexico Healthcare Robotics Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product
 - 6.3.3.2.2. By Application
 - 6.3.3.2.3. By End User
- 7. Europe Healthcare Robotics Market Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value
 - 7.2. Market Share & Forecast
 - 7.2.1. By Product
 - 7.2.2. By Application
 - 7.2.3. By End User
 - 7.2.4. By Country
 - 7.3. Europe: Country Analysis
 - 7.3.1. Germany Healthcare Robotics Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Product
 - 7.3.1.2.2. By Application
 - 7.3.1.2.3. By End User
 - 7.3.2. France Healthcare Robotics Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Product
 - 7.3.2.2.2. By Application
 - 7.3.2.2.3. By End User
 - 7.3.3. United Kingdom Healthcare Robotics Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Product
 - 7.3.3.2.2. By Application
 - 7.3.3.2.3. By End User
 - 7.3.4. Italy Healthcare Robotics Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Product
 - 7.3.4.2.2. By Application
 - 7.3.4.2.3. By End User
- 7.3.5. Spain Healthcare Robotics Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Product
 - 7.3.5.2.2. By Application
 - 7.3.5.2.3. By End User
- 8. Asia Pacific Healthcare Robotics Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value
 - 8.2. Market Share & Forecast
 - 8.2.1. By Product
 - 8.2.2. By Application
 - 8.2.3. By End User
 - 8.2.4. By Country
 - 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Healthcare Robotics Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Product
 - 8.3.1.2.2. By Application
 - 8.3.1.2.3. By End User
 - 8.3.2. India Healthcare Robotics Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Product
 - 8.3.2.2.2. By Application
 - 8.3.2.2.3. By End User
 - 8.3.3. Japan Healthcare Robotics Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Product
 - 8.3.3.2.2. By Application
 - 8.3.3.2.3. By End User
 - 8.3.4. South Korea Healthcare Robotics Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Product
 - 8.3.4.2.2. By Application

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 8.3.4.2.3. By End User
- 8.3.5. Australia Healthcare Robotics Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Product
 - 8.3.5.2.2. By Application
 - 8.3.5.2.3. By End User
- 9. Middle East & Africa Healthcare Robotics Market Outlook
 - 9.1. Market Size & Forecast
 - 9.1.1. By Value
 - 9.2. Market Share & Forecast
 - 9.2.1. By Product
 - 9.2.2. By Application
 - 9.2.3. By End User
 - 9.2.4. By Country
 - 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Healthcare Robotics Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By End User
 - 9.3.2. UAE Healthcare Robotics Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By End User
 - 9.3.3. South Africa Healthcare Robotics Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Product
 - 9.3.3.2.2. By Application
 - 9.3.3.2.3. By End User
 - 10. South America Healthcare Robotics Market Outlook
 - 10.1. Market Size & Forecast
 - 10.1.1. By Value
 - 10.2. Market Share & Forecast
 - 10.2.1. By Product
 - 10.2.2. By Application
 - 10.2.3. By End User
 - 10.2.4. By Country
 - 10.3. South America: Country Analysis

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 10.3.1. Brazil Healthcare Robotics Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product
 - 10.3.1.2.2. By Application
 - 10.3.1.2.3. By End User
- 10.3.2. Colombia Healthcare Robotics Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Product
 - 10.3.2.2.2. By Application
 - 10.3.2.2.3. By End User
- 10.3.3. Argentina Healthcare Robotics Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Product
 - 10.3.3.2.2. By Application
 - 10.3.3.2.3. By End User
- 11. Market Dynamics
 - 11.1. Drivers
 - 11.2. Challenges
- 12. Market Trends & Developments
 - 12.1. Merger & Acquisition (If Any)
 - 12.2. Product Launches (If Any)
 - 12.3. Recent Developments
- 13. Global Healthcare Robotics Market: SWOT Analysis
- 14. Porter's Five Forces Analysis
 - 14.1. Competition in the Industry
 - 14.2. Potential of New Entrants
 - 14.3. Power of Suppliers
 - 14.4. Power of Customers
 - 14.5. Threat of Substitute Products
- 15. Competitive Landscape
 - 15.1. iRobot Corporation
 - 15.1.1. Business Overview
 - 15.1.2. Products & Services
 - 15.1.3. Recent Developments
 - 15.1.4. Key Personnel
 - 15.1.5. SWOT Analysis
 - 15.2. Titan Medical Inc.
 - 15.3. Hansen Technologies Ltd
 - 15.4. Renishaw plc
 - 15.5. Intuitive Surgical, Inc.
 - 15.6. Medtronic Plc

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 15.7. DENSO Products and Services Americas, Inc.
- 15.8. Accuray Incorporated
- 15.9. Stryker Corporation
- 15.10. Varian Medical Systems, Inc.
- 16. Strategic Recommendations
- 17. About Us & Disclaimer

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Healthcare Robotics Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Surgical Robots, Telemedicine Robots, Rehabilitation Robots, Non-invasive Radiosurgery Robots, Pharmacy and Hospital Automation Robots), By Application (Neurology Applications, Cardiology Applications, Orthopedic Applications, Laparoscopic Applications, Others), By End User (Hospitals, Specialty Clinics, Research Institutes, Ambulatory Surgical Centers, Laboratories, Rehabilitation Centers, Others), By Region and Competition, 2020-2030F

Market Report | 2025-11-24 | 180 pages | TechSci Research

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	\$4500.00
	Multi-User License	\$5500.00
	Custom Research License	\$8000.00
		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.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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="2026-03-08"/>
		Signature	<input type="text"/>