Medical Robotic Systems Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2012 - 2018

Description: Medical Robotic Systems Market (Surgical Robots, Non-Invasive Radiosurgery Robotic Systems, Prosthetics and Exoskeletons, Assistive and Rehabilitation Robots, Non-Medical Robotics in Hospitals and Emergency Response Robotic Systems) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2012 - 2018

The use of robotic surgery systems in medical procedures dates back to the 1980s. Since then, this market has experienced tremendous growth in terms of product innovation and development as well as uptake by end-users. The major advantages of these systems include improved surgical outcomes, accurate procedure execution and rapid post-surgical recovery of the patient. In addition to these factors, the growing global aging population and increase in the per-capita healthcare expenditure are set to drive future growth of this market.

This report studies the market for medical robotic systems by different types of systems including surgical robots, non-invasive radiosurgery, emergency response, prosthetics, assistive & rehabilitation and non-medical robotic systems. The global market has been segmented based on these systems, and market size and forecasts for the period 2010 to 2018 have been provided for each segment, in terms of USD million. The CAGR (%) of each market segment for the forecast period 2012 to 2018 has also been provided, considering 2011 as the base year.

The market has also been segmented geographically into four regions, namely, North America, Europe, Asia and RoW, and respective market sizes have been highlighted for each of these regions. A qualitative analysis of the market dynamics including the factors responsible for driving and restraining growth of this market, and future opportunities is described in the market overview section.

The competitive landscape section includes market share analysis of all the leading players in this market, for the year 2011. Some of the major players profiled in this report include Accuray, Inc., Hansen Medical, Inc., Intuitive Surgical, Varian Medical Systems, iRobot Corporation, MAKO Surgical Corp. and Stereotaxis, Inc. The global medical robotic systems market is segmented as follows:

Global medical robotic systems market, by segments

Surgical Robots
- Orthopedic Robotic Systems
  -- Robodoc surgical system
  -- MAKO RIO surgical system
  -- iBlock surgical system
  -- Navio PFS surgical system
  -- Stanmore Sculptor surgical system
- Neurosurgery robotic systems
  -- NeuroMate surgical system
  -- Pathfinder surgical system
  -- Renaissance surgical system
- General laparoscopy robotic systems
  -- Da Vinci robotic surgery system
  -- FreeHand endoscope holder system
  -- Telelap ALF-X surgical system
- Noncatheter percutaneous robotic systems
  -- InnoMotion robot arm system
  -- Steerable catheters
  -- Sensei X robotic catheter system
  -- Niobe remote magnetic navigation system

Non-invasive Radiosurgery Robotic Systems
- CyberKnife robotic radiosurgery system
- TrueBeam STx radiosurgery system
- Gamma Knife Perfexion radiosurgery system

Emergency response robotic systems
- AutoPulse Plus robotic system
- LS-1 robotic system
- Others

Prosthetics/Exoskeletons
- Rheo – knee prosthetic
- C-leg - knee prosthetic
- i-limb ultrahand – hand prosthetic
- ReWalk - walking assistance exoskeleton

Assistive and rehabilitation systems
- Handy 1 assistive robot
- iARM - robotic arm
- Mobility System – muscle re-education device
- Lokomat rehabilitation system

Non-medical robotics in hospitals
- Telemedicine robots
- Cart transportation robots
- Robotic hospital pharmacy

Global medical robotic systems market, by geography
- North-America
- Europe
- Asia-Pacific
- Rest of the World (RoW)
4.2.1.1 ROBODOC Surgical System
4.2.1.2 MAKO RIO Surgical System
4.2.1.3 Iblock Surgical System
4.2.1.4 Naviopfs Surgical System
4.2.1.5 Stanmore Sculptor Robotic Guidance Arm (RGA)
4.2.2 Neurosurgery Robotic Systems
4.2.2.1 Neuromate Surgical System
4.2.2.2 Pathfinder Surgical System
4.2.2.3 Renaissance (Spineassist) Surgical System
4.2.3 General Laparoscopy Robotic Systems
4.2.3.1 Da Vinci Robotic Surgery System
4.2.3.2 Freehand Endoscope Holder System
4.2.3.3 Telelap ALF-X Surgical System
4.2.4 Noncatheter Percutaneous Robotic Systems
4.2.4.1 Innomotion Robot Arm System
4.2.5 Steerable Robotic Catheters
4.2.5.1 Sensei X Robotic Catheter System
4.2.5.2 Niobe Remote Magnetic Navigation System
4.3 Non-Invasive Radiosurgery Robotic Systems
4.3.1 Cyberknife Robotic Radiosurgery System
4.3.2 Truebeam Stx Radiosurgery System
4.3.3 Gamma Knife Perfexion Radiosurgery System
4.4 Emergency Response Robotic Systems
4.4.1 Autopulse Plus Robotic System
4.4.2 LS 1- Robotic System
4.4.3 Others
4.5 Prosthetics/Exoskeletons
4.5.1 Rheo – Knee Prosthetic
4.5.2 C-Leg - Knee Prosthetic
4.5.3 I-Limb Ultrahand – Hand Prosthetic
4.5.4 Rewalk - Walking Assistance Exoskeleton
4.6 Assistive And Rehabilitation Systems
4.6.1 Handy 1 Assistive Robot
4.6.2 Iarm - Robotic Arm
4.6.3 Myomo Mobility System – Muscle Re-Education Device
4.6.4 Lokomat
4.7 Non-Medical Robotics In Hospitals
4.7.1 Telemedicine Robots (iRobot's RP-Vita, Intouch Health's RP-7i)
4.7.2 Cart Transportation Robots
4.7.3 Robotic Hospital Pharmacy

Chapter 5 Medical Robotic Systems Market, by Components (Qualitative Information)
5.1 User Interface
5.2 Software Platforms
5.3 Visualization Systems
5.4 Power Sources
5.5 Locomotion Systems
5.6 Safety Systems

Chapter 6 Global Medical Robotics Market, by Geography, Size and Forecast, 2010 - 2018
6.1 North America
6.1.1 North America Medical Robotic Systems Market, 2010 – 2018 (USD Million)
6.2 Europe
6.2.1 Europe Medical Robotic Systems Market, 2010 – 2018 (USD Million)
6.3 Asia-Pacific
6.3.1 Asia-Pacific Medical Robotic Systems Market, 2010 – 2018 (USD Million)
6.4 Rest Of World (Row)
6.4.1 Row Medical Robotic Systems Market, 2010 – 2018 (USD Million)

Chapter 7 Competitive Landscape
7.1 Market Share Analysis of Key Players, 2011
7.2 Major Strategies by Key Players
7.2.1 Mergers and Acquisitions
7.2.2 New Product Launch
7.2.3 Agreements and Collaborations
7.3 Recommendations

Chapter 8 Company Profiles
8.1 Accuray, Inc.
8.1.1 Company Overview
8.1.2 Financial Overview
8.1.3 SWOT Analysis
8.1.4 Strategic Overview
8.1.5 Recent Developments
8.2 Hansen Medical, Inc.
8.2.1 Company Overview
8.2.2 Financial Overview
8.2.3 SWOT Analysis
8.2.4 Strategic Overview
8.2.5 Recent Developments
8.3 Intuitive Surgical, Inc.
8.3.1 Company Overview
8.3.2 Financial Overview
8.3.3 SWOT Analysis
8.3.4 Strategic Overview
8.3.5 Recent Developments
8.4 Varian Medical Systems
8.4.1 Company Overview
8.4.2 Financial Overview
8.4.3 SWOT Analysis
8.4.4 Strategic Overview
8.4.5 Recent Developments
8.5 iRobot Corporation
8.5.1 Company Overview
8.5.2 Financial Overview
8.5.3 SWOT Analysis
8.5.4 Strategic Overview
8.5.5 Recent Developments
8.6 MAKO Surgical Corp.
8.6.1 Company Overview
8.6.2 Financial Overview
8.6.3 SWOT Analysis
8.6.4 Strategic Overview
8.6.5 Recent Developments
8.7 McKesson Corporation
8.7.1 Company Overview
8.7.2 Financial Overview
8.7.3 SWOT Analysis
8.7.4 Strategic Overview
8.7.5 Recent Developments
8.8 Renishaw Plc
8.8.1 Company Overview
8.8.2 Financial Overview
8.8.3 Strategic Overview
8.8.4 Recent Developments
8.9 Stanmore Implants Worldwide, Ltd.
8.9.1 Company Overview
8.9.2 Financial Overview
8.9.3 Strategic Overview
8.9.4 Recent Developments
8.10 Stereotaxis, Inc.
8.10.1 Company Overview
8.10.2 Financial Overview
8.10.3 SWOT Analysis
8.10.4 Strategic Overview
8.10.5 Recent Developments
8.11 Titan Medical, Inc.
8.11.1 Company Overview
8.11.2 Financial Overview
8.11.3 SWOT Analysis
8.11.4 Strategic Overview
8.11.5 Recent Developments
8.12 ZOLL Medical Corp.
8.12.1 Company Overview
8.12.2 Financial Overview
8.12.3 SWOT Analysis
8.12.4 Strategic Overview
8.12.5 Recent Developments
8.13 Swisslog Holding Ltd
8.13.1 Business Overview
8.13.2 Financial Overview
8.13.3 Business Strategies
8.13.4 Recent Developments

List of Figures

FIG. 1 Medical Robotic Systems Market Segmentation
FIG. 2 Medical Robotic Systems Market Revenues, By Segments, 2011 (USD Million)
FIG. 3 Porter’s Five Forces Analysis For The Medical Robotic Systems Market
FIG. 4 Medical Robotic Systems Market Attractiveness, By Segments (USD Million)
FIG. 5 Medical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 6 Surgical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 7 Orthopedic Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 8 ROBODOC Surgical System Market, 2010 – 2018 (USD Million)
FIG. 9 MAKO RIO Surgical System Market, 2010 – 2018 (USD Million)
FIG. 10 Iblock Surgical System Market, 2010 – 2018 (USD Million)
FIG. 11 Naviopfs Surgical System Market, 2010 – 2018 (USD Million)
FIG. 12 Stanmore Sculptor Robotic Guidance Arm (RGA) Market, 2010 – 2018 (USD Million)
FIG. 13 Neurosurgery Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 14 Neuromate Surgical System Market, 2010 – 2018 (USD Million)
FIG. 15 Pathfinder Surgical System Market, 2010 – 2018 (USD Million)
FIG. 16 Renaissance (Spineassist) Surgical System Market, 2010 – 2018 (USD Million)
FIG. 17 General Laparoscopy Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 18 Da Vinci Robotic Surgery System Market, 2010 – 2018 (USD Million)
FIG. 19 Freehand Endoscope Holder System Market, 2010 – 2018 (USD Million)
FIG. 20 Telelap ALF-X Surgical System Market, 2010 – 2018 (USD Million)
FIG. 21 Innomotion Robot Arm System Market, 2010 – 2018 (USD Million)
FIG. 22 Steerable Robotic Catheters Market, 2010 – 2018 (USD Million)
FIG. 23 Sensei X Robotic Catheter System Market, 2010 – 2018 (USD Million)
FIG. 25 Non-Invasive Radiosurgery Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 26 Cyberknife Robotic Radiosurgery System Market, 2010 – 2018 (USD Million)
FIG. 27 Truebeam Stx Radiosurgery System Market, 2010 – 2018 (USD Million)
FIG. 28 Gamma Knife Perfexion Radiosurgery System Market, 2010 – 2018 (USD Million)
FIG. 29 Emergency Response Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 30 Autopulse Plus Robotic System Market, 2010 – 2018 (USD Million)
FIG. 31 LS 1 - Robotic System Market, 2010 – 2018 (USD Million)
FIG. 32 Other Emergency Response Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 33 Prosthetics/Exoskeletons Market, 2010 – 2018 (USD Million)
FIG. 34 Rheo – Knee Prosthetic Market, 2010 – 2018 (USD Million)
FIG. 35 C-Leg - Knee Prosthetic Market, 2010 – 2018 (USD Million)
FIG. 37 Rewalk - Walking Assistance Exoskeleton Market, 2010 – 2018 (USD Million)
FIG. 38 Assistive And Rehabilitation Systems Market, 2010 – 2018 (USD Million)
FIG. 39 Handy 1 Assistive Robot Market, 2010 – 2018 (USD Million)
FIG. 40 Iarm - Robotic Arm Market, 2010 – 2018 (USD Million)
FIG. 41 Myomo Mobility System – Muscle Re-Education Device Market, 2010 – 2018 (USD Million)
FIG. 42 Lokomat Market, 2010 – 2018 (USD Million)
FIG. 43 Non-Medical Robotics In Hospitals Market, 2010 – 2018 (USD Million)
FIG. 44 Telemedicine Robots Market, 2010 – 2018 (USD Million)
FIG. 45 Cart Transportation Robots Market, 2010 – 2018 (USD Million)
FIG. 46 Robotic Hospital Pharmacy Market, 2010 – 2018 (USD Million)
FIG. 47 North America Medical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 48 Europe Medical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 49 Asia-Pacific Medical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 50 Row Medical Robotic Systems Market, 2010 – 2018 (USD Million)
FIG. 51 Market Share Analysis Of Key Players In The Medical Robotic Systems Market, 2011 (%)
FIG. 52 Accuray, Inc: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 53 Hansen Medical, Inc: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 54 Intuitive Surgical, Inc: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 55 Varian Medical Systems, Inc.: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 56 iRobot Corporation: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 57 MAKO Surgical Corp.: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 58 McKesson Corporation: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 59 Renishaw Plc: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 60 Stereotaxis, Inc.: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 61 Titan Medical, Inc.: Annual Revenues, 2009 – 2011 (USD Million)
FIG. 62 Swisslog Holding Ltd.: Annual Revenues, 2009 – 2011 (USD Million)

List of Tables

TABLE 1 List of Abbreviations
TABLE 2 Market Snapshot: Global Medical Robotics Systems Market
TABLE 3 Global Medical Robotic Systems Market, By Segments, 2010 – 2018 (USD Million)
TABLE 4 Medical Robotic Systems Market, By Geography, 2010 – 2018 (USD Million)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2518973/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Medical Robotic Systems Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2012 - 2018
Web Address: http://www.researchandmarkets.com/reports/2518973/
Office Code: SCDKBIE6

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Product Format</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>USD 4595</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td>USD 7595</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>USD 10595</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr  □  Mrs  □  Dr  □  Miss  □  Ms  □  Prof  □
First Name: ___________________________  Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World