Mountains of Opportunity

Picture by Susan Eustis

WinterGreen Research, Inc.
Lexington, Massachusetts

www.wintergreenresearch.com 781 853 5078
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CHECK OUT THESE KEY TOPICS

Rehabilitation Robots Support Stroke Recovery to Achieve Lifestyle

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Rehabilitation Robots Market Analysis:


LEXINGTON, Massachusetts (January 7, 2019) – WinterGreen Research announces that it has published a new study Rehabilitation Robots: Market Shares, Strategy, and Forecasts, Worldwide, 2019 to 2025. The 2019 study has 564 pages, 269 tables and figures. Worldwide Rehabilitation Robot markets are expected to achieve significant growth as robots replace much of the human work in physical therapy.

The robots are steadier, make fewer mistakes, support treatment for longer durations, and decrease the cost of rehabilitation for many conditions. The robots permit a more accurate rehabilitation routine for any specific condition than is possible with human physical therapy in many cases.

REPORT # SH28084999 564 PAGES 269 TABLES AND FIGURES 2019

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Robotics has tremendous ability to reduce disability and lead to better outcomes for patients with stroke. With the use of rehabilitation robots, patient recovery of function is able to be more substantial than what is achieved now. Whereas traditional rehabilitation with a human therapist goes on for a few weeks, people using robots are able to make continued progress in regaining functionality even years after an injury or stroke.

It is a question of cost. While insurance pays for a small amount of rehabilitation needed, generally provided by a human therapist, using a robot is far less costly process, and can be effective over the long term, even without reimbursement. Marketing has a tremendous effect in convincing people that they can achieve improvements from rehabilitation processes even after years of effort.

Rehabilitation robotics devices are used for assisting performance of sensorimotor functions. Devices help arm, hand, leg rehabilitation by supporting repetitive motion that builds neurological pathways to support use of the muscles. Development of different robotic schemes for assisting therapeutic training is innovative.

According to Susan Eustis, principal author of the team that developed the market research study, “Robotic therapy stimulus of upper limbs provides an example of the excellent motor recovery after stroke that can be achieved using rehabilitation robots.” Lower limb systems and exoskeleton systems provide wheelchair bound patients the ability to get out of a wheelchair.

No company dominates the entire rehabilitation robot market sector. The products that work are still emerging as commercial devices. All the products that are now commercially viable are positioned to achieve significant staying power in the market long term, providing those companies that offer them with a possibility for long term leadership position in the market.

Robotic rehabilitation equipment is mostly used in rehabilitation clinical facilities. There is a huge opportunity for launching a homecare equipment market if it is done through sports clubs rather than through clinical facilities. People expect insurance to pay for medical equipment but are willing to spend bundles on sports trainer equipment for the home. Rehabilitation robots can help stroke patients years after an event, so it makes a difference if someone keeps working to improve their functioning.

Vendors will very likely have to develop a strong rehabilitation robotic market presence as these devices evolve a homecare aspect. The expense of nursing home rehabilitation has been very high, limiting the use of rehabilitation to a few weeks or months at the most.

Rehabilitation robots realistically extend the use of automated process for rehabilitation in the home. The availability of affordable devices that improve mobility is not likely to go unnoticed by the sports clubs and the baby boomer generation, now entering the over 65 age group and seeking to maintain lifestyle.
As clinicians realize that more gains can be made by using rehabilitation robots in the home, the pace of acquisitions will likely pick up.

Rehabilitation robot market size at $641 million in 2018 is expected grow dramatically to reach $6.4 billion by 2025. Exoskeleton markets will be separate and additive to this market. A separate exoskeleton market will create more growth. Market growth is a result of the effectiveness of robotic treatment of muscle difficulty. The usefulness of the rehabilitation robots is increasing. Doing more sophisticated combinations of exercise have become more feasible as the technology evolves. Patients generally practice 1,000 varied movements per session. With the robots, more sessions are possible.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, and Thompson Financial. It conducts its business with integrity.

The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Companies Profiled

Market Leaders

DJO Global  
DIH / Hocoma  
Performance Health / Patterson Medical  
AlterG  
Ekso Bionics  
ReWalk Robotics  
Myomo  
Bionik / Interactive Motion Technologies  
Intuitive Surgical

Selected Market Participants

Berkley Robotics and Human Engineering Laboratory  
Biodex  
Bioness  
Catholic University of America  
Biodex  
Bioness  
DJO Global  
Fanuc  
Focal Meditech  
Furniss  
Hocoma  
Honda Motor  
Instead Technologies  
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ProMed Products Xpress  
Reha-Stim  
Robotdalen  
RSL Steeper  
RU Robots  
Secom  
Sunrise Medical  
Touch Bionics  
Tyromotion
Report Methodology

This is the 808th report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are a priority in topic selection. The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. They are supported by a team, each person with specific research tasks and proprietary automated process database analytics. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is unsurpassed in the industry. We are known for being able to develop accurate market shares and projections. This is our specialty.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment. Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who meet stringent quality standards.
Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature.

Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2018. With 2018 and several years prior to that as a baseline, market projections were developed for 2019 through 2025. These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective.

The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services.

The report provides an executive-level blueprint of the rehabilitation robot market beginning with the definition of the market dynamics. The analysis classifies the market in terms of products, application, and key geographic regions. Presenting a detailed value chain analysis, the study evaluates the set of region-specific approaches forged by the industry. To determine the market potential for rehabilitation robots in the international scenario, the study delves into the competitive landscape and development landscape exhibited by the key geographic regions covering ” U.S., Europe, Japan, China and India, Asia Pacific Remaining, and the Rest of World “

The report’s analysis is based on technical data and industry figures sourced from the most reputable databases. Other aspects that will prove especially beneficial to readers of the report are: investment feasibility analysis, recommendations for growth, investment return analysis, trends analysis, opportunity analysis, and SWOT analyses of competing companies. With the help of inputs and insights from technical and marketing experts, the report presents an objective assessment of the market.
This report also presents product specification, manufacturing process, and product cost structure etc. Production is separated by regions, technology and applications. Analysis also covers upstream raw materials, equipment, Downstream client survey, Marketing channels, Industry development trend and proposals. In the end, the report includes Exoskeleton new project SWOT analysis, Investment feasibility analysis, Investment return analysis, and Development trend analysis. In conclusion, it is a deep research report on Global robots industry. Here, we express our thanks for the support and assistance from industry chain related technical experts and marketing engineers during Research Team’s survey and interviews.

Other important aspects that have been meticulously studied in the market report are: Demand and supply dynamics, import and export scenario, industry processes and cost structures, and major R&D initiatives. The new opportunities they present to market players have been mentioned in the report.

This research includes referencde to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center. The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models. The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models are useful for comparing products from different manufacturers, for example servers from different manufacturers, Systems z models from IBM, and labor costs by category around the world. This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunicatons, and hardware businesses.

YOU MUST HAVE THIS STUDY
The study is designed to give a comprehensive overview of the Rehabilitation Robots market segment. Research represents a selection from the mountains of data available of the most relevant and cogent market materials, with selections made by the most senior analysts. Commentary on every aspect of the market from independent analysts creates an independent perspective in the evaluation of the market. In this manner the study presents a comprehensive overview of what is going on in this market, assisting managers with designing market strategies likely to succeed.
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**ABOUT THE COMPANY**

**WinterGreen Research**, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

**WinterGreen Research**, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology. Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.
ABOUT THE PRINCIPAL AUTHOR

Susan Eustis, President, co-founder of WinterGreen Research is a senior analyst. She has done research in communications and computer markets and applications. She holds several patents in microcomputing and parallel processing. She has the original patents in electronic voting machines. She has new patent applications in format varying, multiprocessing, and electronic voting. She is the author of recent studies of the Solar Renewable Energy, Wind Energy, Thin Film Batteries, Business Process Management marketing strategies, Internet equipment, biometrics, a study of Internet Equipment, Worldwide Telecommunications Equipment, Top Ten Telecommunications, Digital Loop Carrier, Web Hosting, Web Services, and Application Integration markets.

Ms. Eustis is a graduate of Barnard College. Ms. Eustis was names Top Woman CEO in 2012 by Who’s Who Worldwide. She was named Top Woman Market Research Analyst the same year and successive years 2013, 2014, 2015, 2016, 2017, and 2018 thereafter. She has been featured twice on the cover of Women of Distinction. She was cited in a recent Time Magazine article and major media articles on Youth Sports market growth. She was also featured in recent Wall Street Journal, New York Times, HBO, and London Times articles.

About the WinterGreen Research Team: The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.