

Rehabilitation Robots Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global rehabilitation robots market size reached US\$ 1,071 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3,428 Million by 2028, exhibiting a growth rate (CAGR) of 21.5% during 2023-2028.

Rehabilitation robots are automated, therapy machines that allow individuals to perform physical movements while interacting with their environment. These robots rely on input devices, sensors and actuators for supporting the body weight and controlling the movement, speed, direction, amplitude and joint coordination patterns. They record movement data, which is utilized by healthcare professionals to increase therapy intensity and provide quality care. Consequently, they are used to deliver customized, task-oriented, prolonged, intensive, standardized and repeatable training. They are mostly employed for rehabilitating patients suffering from stroke, multiple sclerosis, spinal cord injury, traumatic brain injury (TBI) and Parkinson's disease across the globe.

A significant rise in the number of individuals experiencing paralysis, quadriplegia and amputation represents one of the key factors impelling the global rehabilitation robots market growth. Moreover, the growing geriatric population, which is more susceptible to health disorders, is escalating the demand for rehabilitation robots. The integration of voice-recognition algorithms for enhancing the functionality and flexibility of the devices is acting as another major growth-inducing factor. Apart from this, the leading players are focusing on incorporating the Internet of Things (IoT) with rehabilitation robotics to help healthcare professionals deliver assessment and treatment to patients over the

internet. They are also investing in developing lightweight variants, making products accessible off-the-counter and combining virtual reality (VR) and video games to maximize patient motivation. This, coupled with the improving healthcare infrastructure in a number of countries, is expected to increase the adoption of rehabilitation robots in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global rehabilitation robots market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, patient type and end user.

Breakup by Type:

Therapeutic Robots

Exoskeleton Robots

Assistive Robots

Others

Breakup by Patient Type:

Adult

Pediatric

Breakup by End User:

Rehabilitation Centers

Hospitals

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Bionik Laboratories Corp., Ekso Bionics Holdings Inc., Hocoma AG (DIH International Ltd.), Kinova Inc., KUKA Aktiengesellschaft (Midea Group), Parker-Hannifin Corporation, Rehab-Robotics Company Limited, ReWalk Robotics Ltd., Rex Bionics Ltd., Siemens Aktiengesellschaft and Tyromotion GmbH.

Key Questions Answered in This Report:

How has the global rehabilitation robots market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global rehabilitation robots market?

What is the breakup of the market based on the type?

What is the breakup of the market based on the patient type?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global rehabilitation robots market and who are the key players?

What is the degree of competition in the industry?

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