

Exoskeleton Robot: Global Markets

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Abstracts

Summary:

Exoskeletons are lightweight, wearable devices designed for rehabilitation, assistance and human-power augmentation. Originally designed for military use, these wearable robotic machines, also known as a robotic suit, powered armor or exosuit, supply part of the power necessary for the activation of energy required for limb movement. Armed forces in the U.S. and other countries have investigated the possible military applications of exoskeletons for more than a decade.

Today, the main application of exoskeletons is in healthcare and, to a lesser extent, industrial and commercial settings. They help to improve mobility, enhance force capability and recover motor functions in large joints like the hip and knee. Additionally, they can help to reduce the need for some medications and improve mental health, sleep, pain, posture and balance. Potential exists in the medical market for exoskeletons to provide mobility assistance to the elderly to aid in walking or even climbing stairs.

Report Scope:

This report provides an overview of the global market for exoskeletons and analyzes market trends. Using 2019 as the base year, the report provides estimated market data for the forecast period 2020 through 2025. Revenue forecasts for this period are segmented based on mobility, type, power, segment and geography.

The report also focuses on the major driving trends and challenges that affect the market and the vendor landscape. The report explains the value chain and current trends in the exoskeleton market. The report includes an impact analysis of the COVID-19 pandemic on the exoskeleton market and includes detailed profiles of the

major industry players.

The scope of the report includes the global market for commercially deployed exoskeletons. Exoskeletons which are in the pilot phase, are live for demonstration purposes, or are available for rental use or on lease basis have been considered to calculate the overall market size.

Report Includes:

An overview of the global market for exoskeleton robot

Estimation of the market size and analyses of market trends, with data from 2019, 2020, estimates for 2021 to 2025 with projections of compound annual growth rates (CAGRs) through 2025

Highlights of quantitative and qualitative data of the exoskeleton robot market by type, mobility, technology, power, industry and region

Identification of market drivers, restraints and other forces impacting the global market and evaluation of current market trends, market size, market forecast, and technological advancements within the industry

Description of the impact of the COVID-19 pandemic on the exoskeleton industry

Coverage of events like mergers & acquisitions, joint ventures, collaborations or partnerships, and other key market strategies

Company profiles of major players of the industry

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Industrial

Military

Consumer

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Asia-Pacific

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AXOSUITS SRL

BIONIK LABORATORIES CORP.

CYBERDYNE INC.

EKSO BIONICS HOLDINGS INC.

HOCOMA AG

HONDA MOTOR CO., LTD.

JAPET MEDICAL DEVICES

LOCKHEED MARTIN CORP.

MARSI BIONICS, S.L.

MYOMO INC.
PARKER-HANNIFIN CORP.
REWALK ROBOTICS LTD.
REX BIONICS LTD.
US BIONICS INC. (ALSO KNOWN AS SUITX)

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COMPANIES MENTIONED

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