

Exoskeleton Market by Product Type (Soft and Rigid), Power Type (Powered and Passive), Body Type (Complete Body, Upper and Lower Extremities), Mobility (Stationary and Mobile), and End-Use Industry (Industrial, Military, Healthcare)- Global Forecast to 2027

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Abstracts

Exoskeleton Market by Product Type (Soft and Rigid), Power Type (Powered and Passive), Body Type (Complete Body, Upper and Lower Extremities), Mobility (Stationary and Mobile), and End-Use Industry (Industrial, Military, Healthcare)- Global Forecast to 2027

According to a new market research report “Exoskeleton Market by Product Type (Soft and Rigid), Power Type (Powered and Passive), Body Type (Complete Body, Upper and Lower Extremities), Mobility (Stationary and Mobile), and End-Use Industry (Industrial, Military, Healthcare)- Global Forecast to 2027”, published by Meticulous Research®, the exoskeleton market is expected to grow at a CAGR of 48.4% from 2019 to reach \$11.4 billion by 2027. The growth in this market is mainly attributed to the factors such as growing demand from the healthcare sector for orthopaedic rehabilitation, growing investment by military & defense sector in exoskeletons, and increasing prevalence of strokes. In addition, the replacement of conventional prosthetics with exoskeleton technology and increasing adoption of human augmentation in industrial and other end-use sectors provides significant opportunities for the exoskeleton market players.

The global exoskeleton market is primarily segmented by product type (soft & rigid), by power type (powered & passive), body type (complete body, upper extremities & lower

extremities), end-use industry (industrial, military, healthcare & others), by mobility (stationary & mobile), and geography. The study also evaluates industry competitors and analyses their market share at global and regional level.

Based on product type, the rigid exoskeleton segment accounted for the largest share of the overall exoskeleton market in 2019. The large share of this segment is mainly attributed to the rigid exoskeleton's huge demand from military and industrial sector owing to its high strength and load bearing capacity as well as its ability to offer protection against physical damage and abrasion. However, the soft exoskeleton segment is expected to grow at the fastest CAGR during the forecast period.

Based on the end-user, the healthcare segment commanded the largest share of the overall exoskeleton market in 2019. All major regions across the globe are witnessing significant growth in their geriatric populations, and this trend is expected to continue in the coming years as well, which will create more demand for exoskeletons in healthcare industry, thereby driving the growth of the exoskeleton market for healthcare segment. However, the industrial segment is slated to grow at the fastest CAGR during the forecast period.

Geographically, North America commanded the largest share of the global exoskeleton market in 2019. The large share of this region is mainly due to the well-established infrastructure for technology & education in the region and a higher adoption rate for advanced technologies. Furthermore, the factors such as growing geriatric population; advent of robotic technologies; growing purchasing power of patients and increased investment towards exoskeleton technology; and the presence of majority of established exoskeleton players and start-ups have bolstered the market growth in the North American region. However, Asia Pacific region will experience the highest growth rate during the forecast period.

Some of the key players operating in the global exoskeleton market are ReWalk Robotics Ltd. (Israel), Lockheed Martin Corporation (U.S.), Parker Hannifin Corporation (U.S.), Ekso Bionics Holdings, Inc. (U.S.), Hyundai Motor Company (South Korea), Bionik Laboratories Corporation (U.S.), Myomo, Inc. (U.S.), Honda Motor Co. Ltd. (Japan), Technaid. S.L. (Spain), Gogoa Mobility Robots SL (Spain), Suitx Inc. (U.S.), Otto Bock HealthCare GmbH (Germany), Wearable Robotics SRL (Italy), DIH Technologies Corporation (Switzerland), and B-Temia Inc. (U.S.), among others.

Scope of the Report:

Market by product type

Soft

Rigid

Market by Power Type

Powered

Passive

Market by Body Type

Complete Body

Upper Extremities

Lower Extremities

Market by End-Use Industry

Industrial

Military

Healthcare

Others

Market by Mobility

Mobile

Stationary

Market by Geography:

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Rest of Asia-Pacific

Middle East & Africa

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