

Medical Exoskeleton Market Size, Trends, Analysis, and Outlook By Component (Hardware, Software), By Type (Powered Exoskeletons, Passive Exoskeletons), By Extremity (Upper Extremity, Lower Extremity, Full Body), By Mobility (Mobile Exoskeletons, Stationary Exoskeletons), By Structure (Rigid Exoskeletons, Soft Exoskeleton), by Country, Segment, and Companies, 2024-2032

<https://marketpublishers.com/r/M86D2BF98F2EEN.html>

Date: April 2024

Pages: 205

Price: US\$ 3,980.00 (Single User License)

ID: M86D2BF98F2EEN

Abstracts

The global Medical Exoskeleton market size is poised to register 32.6% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Medical Exoskeleton market across By Component (Hardware, Software), By Type (Powered Exoskeletons, Passive Exoskeletons), By Extremity (Upper Extremity, Lower Extremity, Full Body), By Mobility (Mobile Exoskeletons, Stationary Exoskeletons), By Structure (Rigid Exoskeletons, Soft Exoskeleton)

The medical exoskeleton market is characterized by the increasing demand for assistive devices in rehabilitation and mobility support, advancements in robotic exoskeleton technologies and lightweight materials, and the growing aging population and prevalence of musculoskeletal disorders. By 2030, the market is poised to witness steady growth, driven by expansions in powered exoskeletons, passive exoskeletons, and hybrid exoskeletons. Further, expanding applications in spinal cord injury, stroke rehabilitation, and industrial ergonomics are expected to drive market expansion, enabling patients, caregivers, and healthcare providers to enhance mobility, independence, and quality of life through medical exoskeletons that offer assistance,

stability, and adaptability in the medical exoskeleton market and rehabilitation technology sector.

Medical Exoskeleton Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Medical Exoskeleton market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Medical Exoskeleton survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Medical Exoskeleton industry.

Key market trends defining the global Medical Exoskeleton demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Medical Exoskeleton Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Medical Exoskeleton industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Medical Exoskeleton companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Medical Exoskeleton industry

Leading Medical Exoskeleton companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Medical Exoskeleton companies.

Medical Exoskeleton Market Study- Strategic Analysis Review

The Medical Exoskeleton market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Medical Exoskeleton Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Medical Exoskeleton industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

Medical Exoskeleton Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

North America Medical Exoskeleton Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Medical Exoskeleton market segments. Similarly, Strong market demand is encouraging Canadian Medical Exoskeleton companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Medical Exoskeleton market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Medical Exoskeleton Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Medical Exoskeleton industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Medical Exoskeleton market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Medical Exoskeleton Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Medical Exoskeleton in Asia Pacific. In particular, China, India, and South East Asian Medical Exoskeleton markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Medical Exoskeleton Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Medical Exoskeleton Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Medical Exoskeleton market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Medical Exoskeleton.

Medical Exoskeleton Market Company Profiles

The global Medical Exoskeleton market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are BAMA Teknoloji A.?, Bionik Laboratories Corp, Bioventus LLC, B-Temia Inc, Cyberdyne Inc, Ekso Bionics Holdings Inc, ExoAtlet LLC, Focal Meditech BV, Fourier Intelligence Co. Ltd, Gogo Mobility Robots SL, Hocoma AG, Honda Motor Co. Ltd, Marsi Bionics S.L., Medexo Robotics, Meditouch Ltd, Myomo Inc, P&S Mechanics Co. Ltd, Parker-Hannifin Corp, Rehab Robotics Inc, ReWalk Robotics Ltd, Rex Bionics Ltd, SuitX Inc, TWIICE S?rl, Wandercraft SAS, Wearable Robotics SRL.

Recent Medical Exoskeleton Market Developments

The global Medical Exoskeleton market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Medical Exoskeleton Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Component

Hardware

-Sensors

-Actuators

-Power Sources

-Control Systems

-Others

Software

By Type

Powered Exoskeletons

Passive Exoskeletons

By Extremity

Upper Extremity

Lower Extremity

Full Body

By Mobility

Mobile Exoskeletons

Stationary Exoskeletons

By Structure

Rigid Exoskeletons

Soft Exoskeleton

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

BAMA Teknoloji A.?.

Bionik Laboratories Corp

Bioventus LLC

B-Temia Inc

Cyberdyne Inc

Ekso Bionics Holdings Inc

ExoAtlet LLC

Focal Meditech BV

Fourier Intelligence Co. Ltd

Gogoa Mobility Robots SL

Hocomo AG

Honda Motor Co. Ltd

Marsi Bionics S.L.

Medexo Robotics

Meditouch Ltd

Myomo Inc

P&S Mechanics Co. Ltd

Parker-Hannifin Corp

Rehab Robotics Inc

ReWalk Robotics Ltd

Rex Bionics Ltd

SuitX Inc

TWICE S?rl

Wandercraft SAS

Wearable Robotics SRL

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Contents

1. EXECUTIVE SUMMARY

- 1.1 Medical Exoskeleton Market Overview and Key Findings, 2024
- 1.2 Medical Exoskeleton Market Size and Growth Outlook, 2021- 2030
- 1.3 Medical Exoskeleton Market Growth Opportunities to 2030
- 1.4 Key Medical Exoskeleton Market Trends and Challenges
 - 1.4.1 Medical Exoskeleton Market Drivers and Trends
 - 1.4.2 Medical Exoskeleton Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Medical Exoskeleton Companies

2. MEDICAL EXOSKELETON MARKET SIZE OUTLOOK TO 2030

- 2.1 Medical Exoskeleton Market Size Outlook, USD Million, 2021- 2030
- 2.2 Medical Exoskeleton Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. MEDICAL EXOSKELETON MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. MEDICAL EXOSKELETON MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Component
 - Hardware
 - Sensors

-Actuators

-Power Sources

-Control Systems

-Others

Software

By Type

Powered Exoskeletons

Passive Exoskeletons

By Extremity

Upper Extremity

Lower Extremity

Full Body

By Mobility

Mobile Exoskeletons

Stationary Exoskeletons

By Structure

Rigid Exoskeletons

Soft Exoskeleton

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Medical Exoskeleton Market, 2025

5.2 Asia Pacific Medical Exoskeleton Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Medical Exoskeleton Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Medical Exoskeleton Market, 2025

5.5 Europe Medical Exoskeleton Market Size Outlook by Type, 2021- 2030

5.6 Europe Medical Exoskeleton Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Medical Exoskeleton Market, 2025

5.8 North America Medical Exoskeleton Market Size Outlook by Type, 2021- 2030

5.9 North America Medical Exoskeleton Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Medical Exoskeleton Market, 2025

5.11 South America Pacific Medical Exoskeleton Market Size Outlook by Type, 2021- 2030

5.12 South America Medical Exoskeleton Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Medical Exoskeleton Market, 2025

5.14 Middle East Africa Medical Exoskeleton Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Medical Exoskeleton Market Size Outlook by Application, 2021-2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Medical Exoskeleton Market Size Outlook and Revenue Growth Forecasts

6.2 US Medical Exoskeleton Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Medical Exoskeleton Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Medical Exoskeleton Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Medical Exoskeleton Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Medical Exoskeleton Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Medical Exoskeleton Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Medical Exoskeleton Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Medical Exoskeleton Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Medical Exoskeleton Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Medical Exoskeleton Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Medical Exoskeleton Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Medical Exoskeleton Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea Medical Exoskeleton Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

6.28 Australia Medical Exoskeleton Industry Drivers and Opportunities

6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts

6.30 South East Asia Medical Exoskeleton Industry Drivers and Opportunities

6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts

6.32 Rest of Asia Pacific Medical Exoskeleton Industry Drivers and Opportunities

6.33 Brazil Market Size Outlook and Revenue Growth Forecasts

6.34 Brazil Medical Exoskeleton Industry Drivers and Opportunities

- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Medical Exoskeleton Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Medical Exoskeleton Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Medical Exoskeleton Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Medical Exoskeleton Industry Drivers and Opportunities

7. MEDICAL EXOSKELETON MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. MEDICAL EXOSKELETON COMPANY PROFILES

- 8.1 Profiles of Leading Medical Exoskeleton Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

BAMA Teknoloji A.?.

Bionik Laboratories Corp

Bioventus LLC

B-Temia Inc

Cyberdyne Inc

Ekso Bionics Holdings Inc

ExoAtlet LLC

Focal Meditech BV

Fourier Intelligence Co. Ltd

Gogoa Mobility Robots SL

Hocomo AG

Honda Motor Co. Ltd

Marsi Bionics S.L.

Medexo Robotics

Meditouch Ltd

Myomo Inc

P&S Mechanics Co. Ltd

Parker-Hannifin Corp

Rehab Robotics Inc

ReWalk Robotics Ltd
Rex Bionics Ltd
SuitX Inc
TWIICE S?rl
Wandercraft SAS
Wearable Robotics SRL.

9. APPENDIX

9.1 Scope of the Report
9.2 Research Methodology and Data Sources
9.3 Glossary of Terms
9.4 Market Definitions
9.5 Contact Information

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