

North America Medical Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Power (Active/Powered, Passive), Structure (Rigid, Soft), Application (Rehabilitation, Mobility Aid, Others), and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/N325E2E18D36EN.html>

Date: June 2023

Pages: 154

Price: US\$ 2,295.00 (Single User License)

ID: N325E2E18D36EN

Abstracts

North America medical exoskeletons market is projected to grow by 31.8% annually in the forecast period and reach \$3.73 billion by 2032, driven by the increasing number of people with physical disabilities and subsequent growth in the demand for effective rehabilitation approaches, the rising collaborations among vendors for the technological development, and the increasing insurance coverage for medical exoskeletons. Highlighted with 36 tables and 85 figures, this 154-page report “North America Medical Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Power (Active/Powered, Passive), Structure (Rigid, Soft), Application (Rehabilitation, Mobility Aid, Others), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America medical exoskeletons market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Five Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America medical exoskeletons market in every aspect of the classification from perspectives of Offering, Function, Mobility, Power, Structure, Application, and Country.

Based on Offering, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Sensors

Actuators

Power Sources

Controllers

Other Hardware

Software

Service

Based on Function, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Upper Body Exoskeletons

Lower Body Exoskeletons

Full Body Exoskeletons

By Mobility, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Mobile Exoskeletons

Stationary Exoskeletons

Tethered Exoskeletons

By Power, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) volume (units) for 2022-2032 included in each section.

Active/Powered Exoskeletons

Electric Actuator

Pneumatic Actuator

Hydraulic Actuator

Mechanical Actuator

Other Types

Passive Exoskeletons

By Structure, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Rigid Exoskeletons

Soft Exoskeletons

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Rehabilitation

Mobility Aid

Other Applications

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) and sales volume (units) are available for 2022-2032. The breakdown of national markets by Function, Mobility, and Application over the forecast years are also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

AlterG Inc.

Atoun Inc.

Axosuits SRL

Bionik Laboratories Corp.

B-Temia Inc.

Cyberdyne Inc.

DIH Technologies Corporation

Ekso Bionics Holdings Inc.

Gogoa Mobility Robots SL

Hocomma AG
Honda Motor Co., Ltd.
Innophys Co., Ltd.
Japet Medical Devices
Lockheed Martin Corp.
Marsi Bionics, S.L.
Myomo Inc.
Panasonic Holdings Corp.
Parker-Hannifin Corp.
ReWalk Robotics Inc.
Rex Bionics Ltd.
US Bionics Inc. (Suitx)
Wearable Robotics SRL

(Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF NORTH AMERICA MARKET BY OFFERING

- 3.1 Market Overview by Offering
- 3.2 Hardware
 - 3.2.1 Sensors
 - 3.2.2 Actuators
 - 3.2.3 Power Sources
 - 3.2.4 Controllers
 - 3.2.5 Other Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF NORTH AMERICA MARKET BY FUNCTION

- 4.1 Market Overview by Function
- 4.2 Upper Body Exoskeletons
- 4.3 Lower Body Exoskeletons
- 4.4 Full Body Exoskeletons

5 SEGMENTATION OF NORTH AMERICA MARKET BY MOBILITY

- 5.1 Market Overview by Mobility
- 5.2 Mobile Exoskeletons
- 5.3 Stationary Exoskeletons
- 5.4 Tethered Exoskeletons

6 SEGMENTATION OF NORTH AMERICA MARKET BY POWER

- 6.1 Market Overview by Power
- 6.2 Active/Powered Exoskeletons
 - 6.2.1 Electric Actuator
 - 6.2.2 Pneumatic Actuator
 - 6.2.3 Hydraulic Actuator
 - 6.2.4 Mechanical Actuator
 - 6.2.5 Other Types
- 6.3 Passive Exoskeletons

7 SEGMENTATION OF NORTH AMERICA MARKET BY STRUCTURE

- 7.1 Market Overview by Structure
- 7.2 Rigid Exoskeletons
- 7.3 Soft Exoskeletons

8 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION

- 8.1 Market Overview by Application
- 8.2 Rehabilitation
- 8.3 Mobility Aid
- 8.4 Other Applications

9 NORTH AMERICA MARKET 2022-2032 BY COUNTRY

9.1 Overview of North America Market

9.2 U.S.

9.3 Canada

9.4 Mexico

10 COMPETITIVE LANDSCAPE

10.1 Overview of Key Vendors

10.2 New Product Launch, Partnership, Investment, and M&A

10.3 Company Profiles

AlterG Inc.

Atoun Inc.

Axosuits SRL

Bionik Laboratories Corp.

B-Temia Inc.

Cyberdyne Inc.

DIH Technologies Corporation

Ekso Bionics Holdings Inc.

Gogoa Mobility Robots SL

Hocomma AG

Honda Motor Co., Ltd.

Innophys Co., Ltd.

Japet Medical Devices

Lockheed Martin Corp.

Marsi Bionics, S.L.

Myomo Inc.

Panasonic Holdings Corp.

Parker-Hannifin Corp.

ReWalk Robotics Inc.

Rex Bionics Ltd.

US Bionics Inc. (Suitx)

Wearable Robotics SRL

RELATED REPORTS

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of North America Medical Exoskeletons Market in Balanced Perspective, 2022-2032

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. World Health Spending by Region, \$ bn, 2013-2020

Table 6. Main Product Trends and Market Opportunities in North America Medical Exoskeletons Market

Table 7. North America Medical Exoskeletons Market by Offering, 2022-2032, \$ mn

Table 8. North America Medical Exoskeletons Market: Hardware by Type, 2022-2032, \$ mn

Table 9. North America Medical Exoskeletons Market by Function, 2022-2032, \$ mn

Table 10. North America Medical Exoskeletons Market by Function, 2022-2032, units

Table 11. North America Medical Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 12. North America Medical Exoskeletons Market by Mobility, 2022-2032, units

Table 13. North America Medical Exoskeletons Market by Power, 2022-2032, \$ mn

Table 14. North America Medical Exoskeletons Market by Power, 2022-2032, units

Table 15. North America Medical Exoskeletons Market: Active/Powered Exoskeletons by Type, 2022-2032, \$ mn

Table 16. North America Medical Exoskeletons Market by Structure, 2022-2032, \$ mn

Table 17. North America Medical Exoskeletons Market by Structure, 2022-2032, units

Table 18. North America Medical Exoskeletons Market by Application, 2022-2032, \$ mn

Table 19. North America Medical Exoskeletons Market by Application, 2022-2032, units

Table 20. North America Medical Exoskeletons Market by Country, 2022-2032, \$ mn

Table 21. North America Medical Exoskeletons Market by Country, 2022-2032, units

Table 22. U.S. Medical Exoskeletons Market by Function, 2022-2032, \$ mn

Table 23. U.S. Medical Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 24. U.S. Medical Exoskeletons Market by Application, 2022-2032, \$ mn

Table 25. Canada Medical Exoskeletons Market by Function, 2022-2032, \$ mn

Table 26. Canada Medical Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 27. Canada Medical Exoskeletons Market by Application, 2022-2032, \$ mn

Table 28. Mexico Medical Exoskeletons Market by Function, 2022-2032, \$ mn

Table 29. Mexico Medical Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 30. Mexico Medical Exoskeletons Market by Application, 2022-2032, \$ mn

Table 31. Breakdown of World Market by Key Vendor, 2022, %

Table 32. Main Vendors and Product Offerings

Table 33. Recent Development and Activities

Table 34. AlterG Inc.: Company Snapshot

Table 35. AlterG Inc.: Business Segmentation

Table 36. AlterG Inc.: Product Portfolio

List Of Figures

LIST OF FIGURES:

- Figure 1. Exemplary Pictures of Medical Exoskeletons
- Figure 2. Research Method Flow Chart
- Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation
- Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032
- Figure 5. Industry Value Chain Analysis
- Figure 6. North America Medical Exoskeletons Market by Revenue, 2022-2032, \$ mn
- Figure 7. North America Medical Exoskeletons Market by Shipment, 2022-2032, units
- Figure 8. North America ASP of Medical Exoskeletons, 2022-2032, thousand USD/unit
- Figure 9. Impact of COVID-19 on Business
- Figure 10. Primary Drivers and Impact Factors of North America Medical Exoskeletons Market
- Figure 11. World Smart Factory Market, 2019-2026, \$ mn
- Figure 12. Worldwide Geriatric Population (60 years and above) by Regions, 2015 & 2030, million
- Figure 13. World Population 65 and Over, % of Total Population, 1950-2060
- Figure 14. Primary Restraints and Impact Factors of North America Medical Exoskeletons Market
- Figure 15. Investment Opportunity Analysis
- Figure 16. Porter's Five Forces Analysis of North America Medical Exoskeletons Market
- Figure 17. Breakdown of North America Medical Exoskeletons Market by Offering, 2022-2032, % of Revenue
- Figure 18. North America Addressable Market Cap in 2023-2032 by Offering, Value (\$ mn) and Share (%)
- Figure 19. North America Medical Exoskeletons Market by Offering: Hardware, 2022-2032, \$ mn
- Figure 20. North America Medical Exoskeletons Market by Hardware: Sensors, 2022-2032, \$ mn
- Figure 21. North America Medical Exoskeletons Market by Hardware: Actuators, 2022-2032, \$ mn
- Figure 22. North America Medical Exoskeletons Market by Hardware: Power Sources, 2022-2032, \$ mn
- Figure 23. North America Medical Exoskeletons Market by Hardware: Controllers, 2022-2032, \$ mn

Figure 24. North America Medical Exoskeletons Market by Hardware: Other Hardware, 2022-2032, \$ mn

Figure 25. North America Medical Exoskeletons Market by Offering: Software, 2022-2032, \$ mn

Figure 26. North America Medical Exoskeletons Market by Offering: Services, 2022-2032, \$ mn

Figure 27. Breakdown of North America Medical Exoskeletons Market by Function, 2022-2032, % of Sales Revenue

Figure 28. North America Addressable Market Cap in 2023-2032 by Function, Value (\$ mn) and Share (%)

Figure 29. Breakdown of North America Medical Exoskeletons Market by Function, 2022-2032, % of Shipment

Figure 30. North America Addressable Market Cap in 2023-2032 by Function, Shipment (units) and Share (%)

Figure 31. North America Medical Exoskeletons Market by Function: Upper Body Exoskeletons, 2022-2032, \$ mn

Figure 32. North America Medical Exoskeletons Market by Function: Upper Body Exoskeletons, 2022-2032, units

Figure 33. North America Medical Exoskeletons Market by Function: Lower Body Exoskeletons, 2022-2032, \$ mn

Figure 34. North America Medical Exoskeletons Market by Function: Lower Body Exoskeletons, 2022-2032, units

Figure 35. North America Medical Exoskeletons Market by Function: Full Body Exoskeletons, 2022-2032, \$ mn

Figure 36. North America Medical Exoskeletons Market by Function: Full Body Exoskeletons, 2022-2032, units

Figure 37. Breakdown of North America Medical Exoskeletons Market by Mobility, 2022-2032, % of Sales Revenue

Figure 38. North America Addressable Market Cap in 2023-2032 by Mobility, Value (\$ mn) and Share (%)

Figure 39. Breakdown of North America Medical Exoskeletons Market by Mobility, 2022-2032, % of Shipment

Figure 40. North America Addressable Market Cap in 2023-2032 by Mobility, Shipment (units) and Share (%)

Figure 41. North America Medical Exoskeletons Market by Mobility: Mobile Exoskeletons, 2022-2032, \$ mn

Figure 42. North America Medical Exoskeletons Market by Mobility: Mobile Exoskeletons, 2022-2032, units

Figure 43. North America Medical Exoskeletons Market by Mobility: Stationary

Exoskeletons, 2022-2032, \$ mn

Figure 44. North America Medical Exoskeletons Market by Mobility: Stationary
Exoskeletons, 2022-2032, units

Figure 45. North America Medical Exoskeletons Market by Mobility: Tethered
Exoskeletons, 2022-2032, \$ mn

Figure 46. North America Medical Exoskeletons Market by Mobility: Tethered
Exoskeletons, 2022-2032, units

Figure 47. Breakdown of North America Medical Exoskeletons Market by Power,
2022-2032, % of Revenue

Figure 48. North America Addressable Market Cap in 2023-2032 by Power, Value (\$
mn) and Share (%)

Figure 49. Breakdown of North America Medical Exoskeletons Market by Power,
2022-2032, % of Shipment

Figure 50. North America Addressable Market Cap in 2023-2032 by Power, Shipment
(units) and Share (%)

Figure 51. North America Medical Exoskeletons Market by Power: Active/Powered
Exoskeletons, 2022-2032, \$ mn

Figure 52. North America Medical Exoskeletons Market by Power: Active/Powered
Exoskeletons, 2022-2032, units

Figure 53. North America Medical Exoskeletons Market by Active/Powered
Exoskeletons: Electric Actuator, 2022-2032, \$ mn

Figure 54. North America Medical Exoskeletons Market by Active/Powered
Exoskeletons: Pneumatic Actuator, 2022-2032, \$ mn

Figure 55. North America Medical Exoskeletons Market by Active/Powered
Exoskeletons: Hydraulic Actuator, 2022-2032, \$ mn

Figure 56. North America Medical Exoskeletons Market by Active/Powered
Exoskeletons: Mechanical Actuator, 2022-2032, \$ mn

Figure 57. North America Medical Exoskeletons Market by Active/Powered
Exoskeletons: Other Types, 2022-2032, \$ mn

Figure 58. North America Medical Exoskeletons Market by Power: Passive
Exoskeletons, 2022-2032, \$ mn

Figure 59. North America Medical Exoskeletons Market by Power: Passive
Exoskeletons, 2022-2032, units

Figure 60. Breakdown of North America Medical Exoskeletons Market by Structure,
2022-2032, % of Revenue

Figure 61. North America Addressable Market Cap in 2023-2032 by Structure, Value (\$
mn) and Share (%)

Figure 62. Breakdown of North America Medical Exoskeletons Market by Structure,
2022-2032, % of Shipment

Figure 63. North America Addressable Market Cap in 2023-2032 by Structure, Shipment (units) and Share (%)

Figure 64. North America Medical Exoskeletons Market by Structure: Rigid Exoskeletons, 2022-2032, \$ mn

Figure 65. North America Medical Exoskeletons Market by Structure: Rigid Exoskeletons, 2022-2032, units

Figure 66. North America Medical Exoskeletons Market by Structure: Soft Exoskeletons, 2022-2032, \$ mn

Figure 67. North America Medical Exoskeletons Market by Structure: Soft Exoskeletons, 2022-2032, units

Figure 68. Breakdown of North America Medical Exoskeletons Market by Application, 2022-2032, % of Sales Revenue

Figure 69. North America Addressable Market Cap in 2023-2032 by Application, Value (\$ mn) and Share (%)

Figure 70. Breakdown of North America Medical Exoskeletons Market by Application, 2022-2032, % of Shipment

Figure 71. North America Addressable Market Cap in 2023-2032 by Application, Shipment (units) and Share (%)

Figure 72. North America Medical Exoskeletons Market by Application: Rehabilitation, 2022-2032, \$ mn

Figure 73. North America Medical Exoskeletons Market by Application: Rehabilitation, 2022-2032, units

Figure 74. North America Medical Exoskeletons Market by Application: Mobility Aid, 2022-2032, \$ mn

Figure 75. North America Medical Exoskeletons Market by Application: Mobility Aid, 2022-2032, units

Figure 76. North America Medical Exoskeletons Market by Application: Other Applications, 2022-2032, \$ mn

Figure 77. North America Medical Exoskeletons Market by Application: Other Applications, 2022-2032, units

Figure 78. Breakdown of North America Medical Exoskeletons Market by Country, 2022 and 2032, % of Revenue

Figure 79. Contribution to North America 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 80. Breakdown of North America Medical Exoskeletons Market by Country, 2022 and 2032, % of Shipment

Figure 81. Contribution to North America 2023-2032 Cumulative Market by Country, Shipment (units) and Share (%)

Figure 82. U.S. Medical Exoskeletons Market, 2022-2032, \$ mn

Figure 83. Canada Medical Exoskeletons Market, 2022-2032, \$ mn

Figure 84. Medical Exoskeletons Market in Mexico, 2022-2032, \$ mn

Figure 85. Growth Stage of North America Medical Exoskeletons Industry over the Forecast Period

I would like to order

Product name: North America Medical Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Power (Active/Powered, Passive), Structure (Rigid, Soft), Application (Rehabilitation, Mobility Aid, Others), and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/N325E2E18D36EN.html>

Price: US\$ 2,295.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N325E2E18D36EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970