

Exoskeleton - Company Evaluation Report, 2025

<https://marketpublishers.com/r/E7B4D7929790EN.html>

Date: August 2025

Pages: 105

Price: US\$ 2,650.00 (Single User License)

ID: E7B4D7929790EN

Abstracts

Exoskeleton Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Exoskeleton. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and industry trends. MarketsandMarkets 360 Quadrants evaluated over 67 companies, of which the Top 7 Exoskeleton Companies were categorized and recognized as the quadrant leaders.

An exoskeleton is a wearable electromechanical device designed to be worn on the human body to augment, assist, or restore physical capabilities. These external skeletons are constructed from rigid or soft materials and are often powered by motors, pneumatics, or hydraulics. Using sensors to detect the user's intended movements, the device provides powered support to the limbs, enhancing strength, increasing endurance, or enabling mobility for individuals with physical impairments. The technology is primarily applied in two key areas: medical rehabilitation and industrial workplace augmentation.

Market growth is propelled by dual drivers from the medical and industrial sectors. In healthcare, an aging global population and a rising incidence of neurological disorders like stroke and spinal cord injuries are increasing the demand for advanced rehabilitation tools and mobility aids that can improve patient outcomes. In the industrial realm, there is a strong focus on enhancing worker safety and productivity. Exoskeletons help reduce the physical strain and risk of musculoskeletal injuries for workers performing repetitive, strenuous tasks like heavy lifting, thus lowering injury rates, reducing fatigue, and boosting efficiency.

However, the technology faces significant barriers to mainstream adoption. The high cost of exoskeletons, with medical-grade systems being particularly expensive, places them out of reach for many individuals and businesses. User comfort, device weight,

and ergonomic design are critical challenges, as a bulky or ill-fitting suit will hinder adoption. Limited battery life restricts the operational time of powered devices, which is a key practical limitation. Furthermore, navigating the complex regulatory approval process and securing reimbursement from health insurance providers remains a major hurdle for medical exoskeleton manufacturers.

The 360 Quadrant maps the Exoskeleton companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Exoskeleton quadrant. The top criteria for product footprint evaluation included Type (Powered and Passive), Mobility (Mobile and Stationary), Body Part (Lower Extremities, Upper Extremities, Full Body), Vertical (Healthcare, Defense, Industrial, Construction, Other Verticals), Component (Sensors, Actuators, Power Sources, Control Systems, Other Components).

Key Players:

Major vendors in the Exoskeleton market are Ekso Bionics (US), Ottobock (Germany), DIH Medical (Switzerland), Comau (Italy), Myomo Inc. (US), CYBERDYNE Inc. (Japan), Lifeward Ltd. (Israel), Hyundai Motor Group Robotics LAB. (South Korea), B-Temia (Canada), Rex Bionics Ltd. (New Zealand), ABLE Human Motion (Spain), Laevo Exoskeletons (Netherlands), German Bionic Systems GmbH (Germany), Levitate Technologies, Inc. (US), Fourier (China), Trexo Robotics (Canada), Wandercraft (France), Agade (Italy), Europe Technologies (France), Gogoa.eu (Spain), Archelis Inc. (Japan), P&S Mechanics Co., Ltd. (South Korea), RB3D (France), Japet Medical Devices (France), and PROTESO S.R.L (Italy). The key strategies major vendors implement in the Exoskeleton market are partnerships, collaborations, product launches, and product enhancements.

Ottobock

Ottobock is the global market leader in prosthetics and a premier provider of innovative human mobility solutions. The German company is renowned for its high-tech prosthetic limbs, such as the C-Leg® microprocessor knee, and its advanced orthotics and wheelchairs. Strategically, Ottobock is focused on digital innovation, embedding AI and advanced sensors into its devices to create more intuitive user experiences. By building a connected patient-care ecosystem and expanding into the industrial exoskeleton market, the company is solidifying its legacy and pioneering the future of wearable human augmentation technology worldwide.

DIH Medical

DIH Medical is a global leader in rehabilitation solutions, formed by the powerful combination of robotics pioneer Hocoma and physical therapy provider Motus. The company offers an integrated portfolio covering the full continuum of care, from its renowned Lokomat® robotic gait trainer to a range of clinical therapy devices. DIH Medical's strategy is to merge advanced robotics with virtual reality and data analytics to deliver more engaging and effective patient outcomes. By providing a comprehensive suite of interconnected technologies, the company is cementing its position as a key innovator in the modern rehabilitation market.

Wandercraft

Wandercraft is a pioneering French robotics company dedicated to developing autonomous walking exoskeletons. Its flagship product, the Atalante X, is designed for rehabilitation centers and features unique self-balancing technology that allows patients with severe mobility impairments to walk without crutches. The company's core strategy is to drive clinical adoption by demonstrating improved patient outcomes and to continuously advance its dynamic walking algorithms. By focusing on creating a natural, hands-free walking experience, Wandercraft is positioning itself at the forefront of assistive robotics, with a long-term vision of creating personal exoskeletons for everyday use.

Contents

1 INTRODUCTION

1.1 MARKET DEFINITION

1.2 STAKEHOLDERS

2 EXECUTIVE SUMMARY

3 MARKET OVERVIEW

3.1 INTRODUCTION

3.2 MARKET DYNAMICS

3.2.1 DRIVERS

3.2.1.1 Rising demand for robotic rehabilitation solutions from healthcare sector

3.2.1.2 Increased adoption in industrial and manufacturing sectors

3.2.1.3 Increased FDA approvals for medical exoskeletons

3.2.2 RESTRAINTS

3.2.2.1 High cost of ownership

3.2.3 OPPORTUNITIES

3.2.3.1 Integration of exoskeletons with AI and IoT technologies

3.2.3.2 Increasing adoption of exoskeletons in military and defense sectors

3.2.4 CHALLENGES

3.2.4.1 Comfort and movement interference for workers

3.2.4.2 Power supply limitations and operational downtime

3.3 VALUE CHAIN ANALYSIS

3.4 ECOSYSTEM ANALYSIS

3.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

3.6 TECHNOLOGY ANALYSIS

3.6.1 KEY TECHNOLOGIES

3.6.1.1 Actuators and motors

3.6.1.2 Sensors and feedback systems

3.6.2 COMPLEMENTARY TECHNOLOGIES

3.6.2.1 IoT connectivity

3.6.2.2 AI and ML

3.6.3 ADJACENT TECHNOLOGIES

3.6.3.1 Artificial muscles

3.6.3.2 Physical therapy equipment

- 3.7 PORTER'S FIVE FORCES ANALYSIS
 - 3.7.1 INTENSITY OF COMPETITIVE RIVALRY
 - 3.7.2 BARGAINING POWER OF SUPPLIERS
 - 3.7.3 BARGAINING POWER OF BUYERS
 - 3.7.4 THREAT OF SUBSTITUTES
 - 3.7.5 THREAT OF NEW ENTRANTS
- 3.8 PATENT ANALYSIS
- 3.9 KEY CONFERENCES AND EVENTS, 2025–2026
- 3.10 IMPACT OF AI ON EXOSKELETON MARKET
 - 3.10.1 INTRODUCTION
 - 3.10.2 AI-SPECIFIC USE CASES

4 COMPETITIVE LANDSCAPE

- 4.1 OVERVIEW
- 4.2 KEY PLAYER STRATEGIES/RIGHT TO WIN, JANUARY 2022–FEBRUARY 2025
- 4.3 REVENUE ANALYSIS, 2019–2023
- 4.4 MARKET SHARE ANALYSIS, 2024
- 4.5 COMPANY VALUATION AND FINANCIAL METRICS, 2024
- 4.6 BRAND/PRODUCT COMPARISON
- 4.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024
 - 4.7.1 STARS
 - 4.7.2 EMERGING LEADERS
 - 4.7.3 PERVASIVE PLAYERS
 - 4.7.4 PARTICIPANTS
 - 4.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2024
 - 4.7.5.1 Company footprint
 - 4.7.5.2 Region footprint
 - 4.7.5.3 Vertical footprint
 - 4.7.5.4 Type footprint
 - 4.7.5.5 Body part footprint
- 4.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024
 - 4.8.1 PROGRESSIVE COMPANIES
 - 4.8.2 RESPONSIVE COMPANIES
 - 4.8.3 DYNAMIC COMPANIES
 - 4.8.4 STARTING BLOCKS
 - 4.8.5 COMPETITIVE BENCHMARKING: KEY STARTUPS/SMES, 2024
 - 4.8.5.1 Detailed list of startups/SMEs
 - 4.8.5.2 Competitive benchmarking of key startups/SMEs

4.9 COMPETITIVE SCENARIO

4.9.1 PRODUCT LAUNCHES

4.9.2 DEALS

4.9.3 EXPANSIONS

4.9.4 OTHER DEVELOPMENTS

5 COMPANY PROFILES

5.1 KEY PLAYERS

5.1.1 EKSO BIONICS

5.1.1.1 Business overview

5.1.1.2 Products/Solutions/Services offered

5.1.1.3 Recent developments

5.1.1.3.1 Product launches

5.1.1.3.2 Deals

5.1.1.3.3 Other developments

5.1.1.4 MnM view

5.1.1.4.1 Key strengths/Right to win

5.1.1.4.2 Strategic choices

5.1.1.4.3 Weaknesses and competitive threats

5.1.2 OTTOBOCK

5.1.2.1 Business overview

5.1.2.2 Products/Solutions/Services offered

5.1.2.3 Recent developments

5.1.2.3.1 Product launches

5.1.2.4 MnM view

5.1.2.4.1 Key strengths/Right to win

5.1.2.4.2 Strategic choices

5.1.2.4.3 Weaknesses and competitive threats

5.1.3 DIH MEDICAL

5.1.3.1 Business overview

5.1.3.2 Products/Solutions/Services offered

5.1.3.3 Recent developments

5.1.3.3.1 Deals

5.1.3.4 MnM view

5.1.3.4.1 Key strengths/Right to win

5.1.3.4.2 Strategic choices

5.1.3.4.3 Weaknesses and competitive threats

5.1.4 COMAU

- 5.1.4.1 Business overview
- 5.1.4.2 Products/Solutions/Services offered
- 5.1.4.3 Recent developments
 - 5.1.4.3.1 Product launches
- 5.1.4.4 MnM view
 - 5.1.4.4.1 Key strengths/Right to win
 - 5.1.4.4.2 Strategic choices
 - 5.1.4.4.3 Weaknesses and competitive threats
- 5.1.5 MYOMO INC.
 - 5.1.5.1 Business overview
 - 5.1.5.2 Products/Solutions/Services offered
 - 5.1.5.3 Recent developments
 - 5.1.5.3.1 Product launches
 - 5.1.5.3.2 Other developments
 - 5.1.5.4 MnM view
 - 5.1.5.4.1 Key strengths/Right to win
 - 5.1.5.4.2 Strategic choices
 - 5.1.5.4.3 Weaknesses and competitive threats
- 5.1.6 CYBERDYNE INC.
 - 5.1.6.1 Business overview
 - 5.1.6.2 Products/Solutions/Services offered
 - 5.1.6.3 Recent developments
 - 5.1.6.3.1 Expansions
- 5.1.7 LIFEWARD LTD.
 - 5.1.7.1 Business overview
 - 5.1.7.2 Products/Solutions/Services offered
 - 5.1.7.3 Recent developments
 - 5.1.7.3.1 Deals
- 5.1.8 HYUNDAI MOTOR GROUP ROBOTICS LAB.
 - 5.1.8.1 Business overview
 - 5.1.8.2 Products/Solutions/Services offered
 - 5.1.8.3 Recent developments
 - 5.1.8.3.1 Product launches
 - 5.1.8.3.2 Deals
- 5.1.9 B-TEMIA
 - 5.1.9.1 Business overview
 - 5.1.9.2 Products/Solutions/Services offered
- 5.1.10 REX BIONICS LTD.
 - 5.1.10.1 Business overview

5.1.10.2 Products/Solutions/Services offered

5.2 OTHER PLAYERS

- 5.2.1 ABLE HUMAN MOTION
- 5.2.2 LAEVO EXOSKELETONS
- 5.2.3 GERMAN BIONIC SYSTEMS GMBH
- 5.2.4 LEVITATE TECHNOLOGIES, INC.
- 5.2.5 FOURIER
- 5.2.6 TREXO ROBOTICS
- 5.2.7 WANDERCRAFT
- 5.2.8 AGADE
- 5.2.9 EUROPE TECHNOLOGIES
- 5.2.10 GOGO.A.EU
- 5.2.11 ARCHELIS INC.
- 5.2.12 P&S MECHANICS CO., LTD.
- 5.2.13 RB3D
- 5.2.14 JAPET MEDICAL DEVICES
- 5.2.15 PROTESO S.R.L.

6 APPENDIX

6.1 RESEARCH METHODOLOGY

6.1.1 RESEARCH DATA

6.1.1.1 Secondary data

6.1.1.2 Primary data

6.1.2 RESEARCH ASSUMPTIONS

6.1.3 RESEARCH LIMITATIONS

6.1.4 RISK ASSESSMENT

6.2 COMPANY EVALUATION MATRIX: METHODOLOGY

6.3 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

- TABLE 1 EXOSKELETON MARKET: ROLE OF COMPANIES IN ECOSYSTEM
- TABLE 2 EXOSKELETON MARKET: PORTER'S FIVE FORCES ANALYSIS
- TABLE 3 EXOSKELETON MARKET: LIST OF MAJOR PATENTS, 2022–2024
- TABLE 4 EXOSKELETON MARKET: KEY CONFERENCES AND EVENTS, 2025–2026
- TABLE 5 OVERVIEW OF STRATEGIES ADOPTED BY MAJOR COMPANIES, JANUARY 2022–FEBRUARY 2025
- TABLE 6 EXOSKELETON MARKET: DEGREE OF COMPETITION, 2024
- TABLE 7 EXOSKELETON MARKET: REGION FOOTPRINT
- TABLE 8 EXOSKELETON MARKET: VERTICAL FOOTPRINT
- TABLE 9 EXOSKELETON MARKET: TYPE FOOTPRINT
- TABLE 10 EXOSKELETON MARKET: BODY PART FOOTPRINT
- TABLE 11 EXOSKELETON MARKET: DETAILED LIST OF KEY STARTUPS/SMES
- TABLE 12 EXOSKELETON MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES
- TABLE 13 EXOSKELETON MARKET: PRODUCT LAUNCHES, JANUARY 2022–FEBRUARY 2025
- TABLE 14 EXOSKELETON MARKET: DEALS, JANUARY 2022– FEBRUARY 2025
- TABLE 15 EXOSKELETON MARKET: EXPANSIONS, JANUARY 2022–FEBRUARY 2025
- TABLE 16 EXOSKELETON MARKET: OTHER DEVELOPMENTS, JANUARY 2022– FEBRUARY 2025
- TABLE 17 EKSO BIONICS: COMPANY OVERVIEW
- TABLE 18 EKSO BIONICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED
- TABLE 19 EKSO BIONICS: PRODUCT LAUNCHES
- TABLE 20 EKSO BIONICS: DEALS
- TABLE 21 EKSO BIONICS: OTHER DEVELOPMENTS
- TABLE 22 OTTOBOCK: COMPANY OVERVIEW
- TABLE 23 OTTOBOCK: PRODUCTS/SOLUTIONS/SERVICES OFFERED
- TABLE 24 OTTOBOCK: PRODUCT LAUNCHES
- TABLE 25 DIH MEDICAL: COMPANY OVERVIEW
- TABLE 26 DIH MEDICAL: PRODUCTS/SOLUTIONS/SERVICES OFFERED
- TABLE 27 DIH MEDICAL: DEALS
- TABLE 28 COMAU: COMPANY OVERVIEW
- TABLE 29 COMAU: PRODUCTS/SOLUTIONS/SERVICES OFFERED
- TABLE 30 COMAU: PRODUCT LAUNCHES
- TABLE 31 MYOMO INC.: COMPANY OVERVIEW

TABLE 32 MYOMO INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 33 MYOMO INC.: PRODUCT LAUNCHES

TABLE 34 MYOMO INC.: OTHER DEVELOPMENTS

TABLE 35 CYBERDYNE INC.: COMPANY OVERVIEW

TABLE 36 CYBERDYNE INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 37 CYBERDYNE INC.: EXPANSIONS

TABLE 38 LIFEWARD LTD.: COMPANY OVERVIEW

TABLE 39 LIFEWARD LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 40 LIFEWARD LTD: DEALS

TABLE 41 HYUNDAI MOTOR GROUP ROBOTICS LAB.: COMPANY OVERVIEW

TABLE 42 HYUNDAI MOTOR GROUP ROBOTICS LAB.:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 43 HYUNDAI MOTOR GROUP ROBOTICS LAB.: PRODUCT LAUNCHES

TABLE 44 HYUNDAI MOTOR GROUP ROBOTICS LAB.: DEALS

TABLE 45 B-TEMIA: COMPANY OVERVIEW

TABLE 46 B-TEMIA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 47 REX BIONICS LTD.: COMPANY OVERVIEW

TABLE 48 REX BIONICS LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 49 ABLE HUMAN MOTION: COMPANY OVERVIEW

TABLE 50 LAEVO EXOSKELETONS: COMPANY OVERVIEW

TABLE 51 GERMAN BIONIC SYSTEMS GMBH: COMPANY OVERVIEW

TABLE 52 LEVITATE TECHNOLOGIES, INC.: COMPANY OVERVIEW

TABLE 53 FOURIER: COMPANY OVERVIEW

TABLE 54 TREXO ROBOTICS: COMPANY OVERVIEW

TABLE 55 WANDERCRAFT: COMPANY OVERVIEW

TABLE 56 AGADE: COMPANY OVERVIEW

TABLE 57 EUROPE TECHNOLOGIES: COMPANY OVERVIEW

TABLE 58 GOGO.A.EU: COMPANY OVERVIEW

TABLE 59 ARCHELIS INC.: COMPANY OVERVIEW

TABLE 60 P&S MECHANICS CO., LTD.: COMPANY OVERVIEW

TABLE 61 RB3D: COMPANY OVERVIEW

TABLE 62 JAPET MEDICAL DEVICES: COMPANY OVERVIEW

TABLE 63 PROTESO S.R.L.: COMPANY OVERVIEW

List Of Figures

LIST OF FIGURES

FIGURE 1 POWERED TYPE TO LEAD EXOSKELETON MARKET DURING FORECAST PERIOD

FIGURE 2 LOWER EXTREMITIES SEGMENT TO CAPTURE LARGEST MARKET SHARE THROUGHOUT FORECAST PERIOD

FIGURE 3 HEALTHCARE VERTICAL TO LEAD EXOSKELETON MARKET DURING FORECAST PERIOD

FIGURE 4 EUROPE TO ACCOUNT FOR LARGEST SHARE OF EXOSKELETON MARKET IN 2025

FIGURE 5 EXOSKELETON MARKET DYNAMICS: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 6 DRIVERS AND THEIR IMPACT ON EXOSKELETON MARKET

FIGURE 7 RESTRAINTS AND THEIR IMPACT ON EXOSKELETON MARKET

FIGURE 8 OPPORTUNITIES AND THEIR IMPACT ON EXOSKELETON MARKET

FIGURE 9 CHALLENGES AND THEIR IMPACT ON EXOSKELETON MARKET

FIGURE 10 EXOSKELETON MARKET: VALUE CHAIN ANALYSIS

FIGURE 11 EXOSKELETON MARKET: ECOSYSTEM ANALYSIS

FIGURE 12 EXOSKELETON MARKET: TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 13 PORTER'S FIVE FORCES ANALYSIS: EXOSKELETON MARKET

FIGURE 14 NUMBER OF PATENTS APPLIED AND GRANTED IN EXOSKELETON MARKET, 2014–2024

FIGURE 15 AI USE CASES

FIGURE 16 REVENUE ANALYSIS OF KEY PLAYERS IN EXOSKELETON MARKET, 2019–2023

FIGURE 17 MARKET SHARE ANALYSIS OF MAJOR PLAYERS, 2024

FIGURE 18 COMPANY VALUATION, 2024

FIGURE 19 FINANCIAL METRICS (EV/EBITDA), 2024

FIGURE 20 EXOSKELETON MARKET: BRAND/PRODUCT COMPARISON

FIGURE 21 EXOSKELETON MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2024

FIGURE 22 EXOSKELETON MARKET: COMPANY FOOTPRINT

FIGURE 23 EXOSKELETON MARKET: COMPANY EVALUATION MATRIX (SMES/STARTUPS), 2024

FIGURE 24 EKSO BIONICS: COMPANY SNAPSHOT

FIGURE 25 DIH MEDICAL: COMPANY SNAPSHOT

FIGURE 26 MYOMO INC.: COMPANY SNAPSHOT

FIGURE 27 CYBERDYNE INC.: COMPANY SNAPSHOT

FIGURE 28 LIFEWARD LTD.: COMPANY SNAPSHOT

FIGURE 29 EXOSKELETON MARKET: RESEARCH DESIGN

I would like to order

Product name: Exoskeleton - Company Evaluation Report, 2025

Product link: <https://marketpublishers.com/r/E7B4D7929790EN.html>

Price: US\$ 2,650.00 (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/E7B4D7929790EN.html>