

**Exoskeleton Market by Component (Hardware), Software), Type (Powered, Passive), Body Part (Full Body, Lower & Upper Extremities), Mobility (Stationary, Mobile), Structure (Rigid, Soft), Vertical and Region - Global Forecast to 2028**

Market Report | 2023-02-08 | 226 pages | MarketsandMarkets

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**Report description:**

The global exoskeleton market size is expected to grow from USD 0.7 billion in 2023 to USD 3.7 billion by 2028, at a CAGR of 38.6%. The key factors driving the exoskeleton market growth are surging demand for exoskeletons from the healthcare vertical and rising development in robotic technologies.

"Full body segment is estimated to grow at a highest CAGR during the forecast period"

The full body segment is expected to grow at the highest CAGR of more than 45% from 2023 to 2028. This is mainly because of the growing interest of the governments of various countries toward the development of full-body exoskeletons, owing to the advantages these exoskeletons provide in the defense sector. Several countries are investing heavily in the development of this technology to further strengthen their security forces on borders. The main constraint for full-body exoskeletons is price sensitivity, which will decrease gradually as the overall market progresses.

"Stationary segment holds the second-largest share of exoskeleton market in 2022"

Stationary exoskeletons incorporate a fixed structure that is combined with a moving ground platform. They are mainly developed for virtual reality and telerobotic applications. These exoskeletons are mostly used in a variety of medical applications, such as in rehabilitation centers and hospitals, to treat spinal cord injuries and other mobility impairment disorders, which is estimated to increase its adoption in the coming years.

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"North America region held the largest market share in 2022"

North America is expected to hold the largest share of the global exoskeleton market during 2023-2028. The growth of the market can be attributed to the presence of major players, their subsidiaries, distributors, and resellers in this region. Growing demand from the healthcare sector for rehabilitation, advancements in robotic technologies, and huge investments made for the development of exoskeleton technology are boosting the demand for exoskeletons in North America.

The break-up of the profiles of primary participants for the report has been given below:

- By Company Type: Tier 1 = 52%, Tier 2 = 31%, and Tier 3 = 17%
- By Designation: C-Level Executives = 47%, Directors = 31%, and Others = 22%
- By Region: North America = 38%, Europe = 27%, Asia Pacific = 30%, and RoW = 05%

Major players operating in the exoskeleton market include CYBERDYNE INC. (Japan), Lockheed Martin Corporation (US), Ottobock (Germany), Ekso Bionics (US), DIH Medical (China), Sarcos Technology and Robotics Corporation (US), BIONIK (US), and B-Temia (Canada), among others.

#### Research Coverage:

The research report on the global exoskeleton market covers the market based on component, type, body part, mobility, structure, vertical, and region. Based on component, the market has been segmented into hardware and software. Hardware segment is further segregated into sensors, actuators, power sources, control systems/controllers, and others. Based on type, the market has been segmented into powered and passive. Based on body part, the market has been segmented into lower extremities, upper extremities, and full body. Based on mobility, the market has been segmented into stationary and mobile. Based on structure, the market has been segmented into rigid exoskeletons and soft exoskeletons. Based on vertical, the market has been segmented into healthcare, defense, industrial, and others. The report covers four major regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

#### Key Benefits of Buying the Report:

- This report segments the exoskeleton market comprehensively and provides the closest approximations of the overall market size, as well as that of the subsegments across different component, type, body part, mobility, vertical, and region.
- The report helps stakeholders understand the pulse of the market, and expected market scenario and provides information on key market drivers, restraints, challenges, and opportunities.

#### Table of Contents:

1	INTRODUCTION	27
1.1	STUDY OBJECTIVES	27
1.2	MARKET DEFINITION	27
1.2.1	INCLUSIONS AND EXCLUSIONS	28
1.3	STUDY SCOPE	29
1.3.1	MARKETS COVERED	29
FIGURE 1	EXOSKELETON MARKET: SEGMENTATION	29
1.3.2	REGIONAL SCOPE	30
1.3.3	YEARS CONSIDERED	30
1.4	CURRENCY	31
1.5	LIMITATIONS	31
1.6	STAKEHOLDERS	31
1.7	SUMMARY OF CHANGES	32
2	RESEARCH METHODOLOGY	33

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2.1	RESEARCH DATA	33	
	FIGURE 2	EXOSKELETON MARKET: RESEARCH DESIGN	33
2.1.1	SECONDARY AND PRIMARY RESEARCH	34	
2.1.2	SECONDARY DATA	35	
2.1.2.1	Major secondary sources	35	
2.1.2.2	Key data from secondary sources	35	
2.1.3	PRIMARY DATA	36	
2.1.3.1	Primary interviews with experts	36	
2.1.3.2	Key data from primary sources	37	
2.1.3.3	Key industry insights	37	
2.1.3.4	Breakdown of primaries	38	
2.2	MARKET SIZE ESTIMATION	38	
	FIGURE 3	MARKET SIZE ESTIMATION METHODOLOGY: APPROACH (SUPPLY SIDE) - REVENUE GENERATED THROUGH SALES OF PRODUCTS/SOLUTIONS/SERVICES PERTAINING TO EXOSKELETON	39
2.2.1	BOTTOM-UP APPROACH	40	
2.2.1.1	Approach for arriving at market size using bottom-up analysis	40	
	FIGURE 4	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH	40
2.2.1.2	Approach for capturing market sizing using top-down analysis	41	
	FIGURE 5	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	41
2.3	MARKET BREAKDOWN AND DATA TRIANGULATION	42	
	FIGURE 6	EXOSKELETON MARKET: DATA TRIANGULATION	42
2.4	RESEARCH ASSUMPTIONS AND LIMITATIONS	43	
2.4.1	RESEARCH ASSUMPTIONS AND LIMITATIONS	43	
2.5	APPROACH TO UNDERSTAND IMPACT OF RECESSION ON EXOSKELETON MARKET	43	
2.6	LIMITATIONS AND RISK ASSESSMENT	44	
	TABLE 1	LIMITATIONS AND ASSOCIATED RISKS	44
3	EXECUTIVE SUMMARY	45	
	FIGURE 7	SOFTWARE SEGMENT TO HAVE HIGHER CAGR DURING FORECAST PERIOD	45
	FIGURE 8	POWERED SEGMENT TO ACCOUNT FOR LARGEST MARKET SIZE IN 2023	46
	FIGURE 9	LOWER EXTREMITY EXOSKELETONS TO DOMINATE MARKET IN 2023	47
	FIGURE 10	MOBILE SEGMENT TO GROW FASTEST DURING FORECAST PERIOD	47
	FIGURE 11	HEALTHCARE SEGMENT TO LEAD EXOSKELETON MARKET IN 2023	48
	FIGURE 12	EXOSKELETON MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD	49
3.1	IMPACT OF RECESSION	50	
	FIGURE 13	GDP GROWTH PROJECTIONS FOR MAJOR ECONOMIES TILL 2023	50
	FIGURE 14	IMPACT OF UPCOMING RECESSION ON GLOBAL EXOSKELETON MARKET	50
4	PREMIUM INSIGHTS	52	
4.1	ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN EXOSKELETON MARKET	52	
	FIGURE 15	DEMAND FOR HUMAN AUGMENTATION EQUIPMENT TO DRIVE MARKET ACROSS INDUSTRIAL AND MILITARY VERTICALS	52
4.2	EXOSKELETON MARKET, BY COMPONENT	52	
	FIGURE 16	EXOSKELETON MARKET FOR HARDWARE SEGMENT TO HOLD LARGEST SHARE IN 2023	52
4.3	EXOSKELETON MARKET, BY TYPE	53	
	FIGURE 17	POWERED EXOSKELETON SEGMENT TO HAVE CAGR DURING FORECAST PERIOD	53
4.4	EXOSKELETON MARKET, BY BODY PART	53	
	FIGURE 18	LOWER EXTREMITIES SEGMENT TO DOMINATE EXOSKELETON MARKET IN 2023	53
4.5	EXOSKELETON MARKET, BY MOBILITY	54	
	FIGURE 19	MOBILE SEGMENT TO HAVE HIGHEST CAGR DURING FORECAST PERIOD	54

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4.6	EXOSKELETON MARKET, BY VERTICAL	54
FIGURE 20	HEALTHCARE TO BE DOMINANT VERTICAL IN 2023	54
4.7	EXOSKELETON MARKET, BY REGION	55
FIGURE 21	ASIA PACIFIC EXOSKELETON MARKET TO GROW FASTEST DURING FORECAST PERIOD	55
5	MARKET OVERVIEW	56
5.1	INTRODUCTION	56
5.2	MARKET DYNAMICS	56
FIGURE 22	EXOSKELETON MARKET DYNAMICS	56
5.2.1	DRIVERS	57
5.2.1.1	Growing demand for robotic rehabilitation from healthcare sector	57
FIGURE 23	AGING POPULATION, BY REGION	57
5.2.1.2	Advancements in robotic technologies	58
5.2.1.3	High investment in development of exoskeleton technology	59
FIGURE 24	IMPACTS OF DRIVERS ON EXOSKELETON MARKET	59
5.2.2	RESTRAINTS	60
5.2.2.1	Regulatory challenges in securing approvals for medical applications of exoskeleton	60
FIGURE 25	IMPACTS OF RESTRAINTS ON EXOSKELETON MARKET	60
5.2.3	OPPORTUNITIES	61
5.2.3.1	Increasing adoption of human augmentation equipment in industrial and military sectors	61
5.2.3.2	Introduction of soft actuators in exoskeletons	61
5.2.3.3	Growing insurance coverage for exoskeletons	62
FIGURE 26	IMPACTS OF OPPORTUNITIES ON EXOSKELETON MARKET	62
5.2.4	CHALLENGES	63
5.2.4.1	High equipment cost	63
TABLE 2	PRICE OF POPULAR EXOSKELETONS	63
FIGURE 27	IMPACTS OF CHALLENGES ON EXOSKELETON MARKET	63
5.3	VALUE CHAIN ANALYSIS	64
FIGURE 28	VALUE CHAIN ANALYSIS: EXOSKELETON MARKET	64
5.4	ECOSYSTEM ANALYSIS	65
FIGURE 29	ECOSYSTEM: EXOSKELETON MARKET	65
TABLE 3	EXOSKELETON MARKET ECOSYSTEM	66
5.5	PRICING ANALYSIS	67
5.5.1	AVERAGE SELLING PRICE: TREND ANALYSIS	67
FIGURE 30	AVERAGE SELLING PRICE OF EXOSKELETON, BY TYPE (USD)	67
5.6	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESSES	68
5.7	TECHNOLOGY ANALYSIS	69
5.7.1	INTERNET OF THINGS (IOT)	69
5.7.2	ARTIFICIAL INTELLIGENCE (AI)	69
5.7.3	MACHINE LEARNING (ML)	69
5.8	PORTER'S FIVE FORCES ANALYSIS	69
TABLE 4	PORTER'S FIVE FORCE ANALYSIS AND THEIR IMPACT (2022)	70
5.8.1	BARGAINING POWER OF SUPPLIERS	70
5.8.2	BARGAINING POWER OF BUYERS	70
5.8.3	THREAT OF NEW ENTRANTS	70
5.8.4	THREAT OF SUBSTITUTES	70
5.8.5	INTENSITY OF COMPETITIVE RIVALRY	71
5.9	CASE STUDY ANALYSIS	71

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5.9.1 EKSO BIONICS IMPROVES PATIENT MOBILITY WITH HELP OF VODAFONE-MANAGED IOT CONNECTIVITY PLATFORM 71

5.9.2 RLS MAGNETIC ENCODERS ENABLE MARSİ BIONICS TO DESIGN AND BUILD EXOSKELETON ORTHOPEDIC DEVICES 71

5.9.3 POLYCLINIC GLAVIC IN ZAGREB MEETS CHALLENGES BY PARTNERING WITH HOCOMA 71

5.9.4 EKSO BIONICS EXOSKELETONS HELP FORD MOTOR COMPANY IMPROVE WORKPLACE PRODUCTIVITY 72

5.10 TRADE ANALYSIS 72

FIGURE 32 IMPORT DATA FOR HS CODE 847950, BY KEY COUNTRY, 2017-2021 (USD MILLION) 72

FIGURE 33 EXPORT DATA FOR HS CODE 847950, BY KEY COUNTRY, 2017-2021 (USD MILLION) 73

5.11 PATENT ANALYSIS 73

FIGURE 34 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST 10 YEARS 73

FIGURE 35 NUMBER OF PATENTS GRANTED PER YEAR FROM 2011 TO 2021 74

TABLE 5 TOP 20 PATENT OWNERS IN LAST 10 YEARS 74

TABLE 6 TOP 20 PATENTS GRANTED IN LAST 10 YEARS 75

5.12 TARIFF AND REGULATORY LANDSCAPE 76

5.12.1 MARKET REGULATIONS AND STANDARDS 76

TABLE 7 REGULATIONS AND STANDARDS FOR EXOSKELETONS 77

6 EXOSKELETON MARKET, BY COMPONENT 78

6.1 INTRODUCTION 79

FIGURE 36 EXOSKELETON MARKET, BY COMPONENT 79

FIGURE 37 HARDWARE SEGMENT TO HOLD LARGEST MARKET SIZE DURING FORECAST PERIOD 79

TABLE 8 EXOSKELETON MARKET, BY COMPONENT, 2019-2022 (USD MILLION) 80

TABLE 9 EXOSKELETON MARKET, BY COMPONENT, 2023-2028 (USD MILLION) 80

6.2 HARDWARE 81

6.2.1 PLAYS KEY ROLE IN DEVELOPMENT OF EXOSKELETONS 81

TABLE 10 HARDWARE: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) 81

TABLE 11 HARDWARE: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) 81

6.2.2 SENSORS 82

6.2.2.1 Used to acquire information about surrounding environment 82

6.2.2.2 Gyroscopes 82

6.2.2.2.1 Used in exoskeletons to measure angular position of joints 82

6.2.2.3 Microphones 82

6.2.2.3.1 Assist exoskeletons in sound source localization 82

6.2.2.4 Accelerometers 83

6.2.2.4.1 Integrated into exoskeletons for measurement of non-gravitational acceleration forces 83

6.2.2.5 Tilt sensors 83

6.2.2.5.1 Measure tilt angle with respect to Earth's ground plane in exoskeleton 83

6.2.2.6 Force/torque sensors 83

6.2.2.6.1 Used to measure relative interaction forces between user and robotic exoskeleton 83

6.2.2.7 Position sensors 84

6.2.2.7.1 Detect position by measuring distance between two points 84

6.2.2.8 Others 84

6.2.3 ACTUATORS 84

6.2.3.1 Used to produce either rotational or linear motion 84

6.2.3.2 Electrical 84

6.2.3.2.1 Exhibit higher speed compared with other actuators 84

6.2.3.3 Pneumatic 85

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6.2.3.3.1	Used in systems that require quick and accurate responses	85
6.2.3.4	Hydraulic	85
6.2.3.4.1	Used in exoskeleton applications where heavy force and speed are required	85
6.2.3.5	Piezoelectric	85
6.2.3.5.1	Use converse piezoelectric effect for exact positioning of systems	85
6.2.4	POWER SOURCES	85
6.2.4.1	Batteries used for electrical connectivity in exoskeletons	85
6.2.5	CONTROL SYSTEMS/CONTROLLERS	86
6.2.5.1	Controllers used to control movement of exoskeleton	86
6.2.6	OTHERS	86
6.3	SOFTWARE	86
6.3.1	PROGRAMMED ACCORDING TO TASK REQUIRED TO BE PERFORMED BY EXOSKELETONS	86
TABLE 12	SOFTWARE: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION)	87
TABLE 13	SOFTWARE: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION)	87
7	EXOSKELETON MARKET, BY TYPE	88
7.1	INTRODUCTION	89
FIGURE 38	EXOSKELETON MARKET, BY TYPE	89
FIGURE 39	POWERED SEGMENT PROJECTED TO HAVE HIGHEST GROWTH RATE BY 2028	89
TABLE 14	EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION)	90
TABLE 15	EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION)	90
7.2	POWERED	90
7.2.1	POWERED EXOSKELETONS INCREASE ENDURANCE AND STRENGTH OF WEARER	90
TABLE 16	POWERED: EXOSKELETON MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	91
TABLE 17	POWERED: EXOSKELETON MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	91
TABLE 18	POWERED: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION)	91
TABLE 19	POWERED: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION)	92
TABLE 20	POWERED: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION)	92
TABLE 21	POWERED: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION)	92
7.3	PASSIVE	93
7.3.1	PASSIVE EXOSKELETONS REQUIRE LOWER PRODUCTION COST	93
TABLE 22	PASSIVE: EXOSKELETON MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	93
TABLE 23	PASSIVE: EXOSKELETON MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	93
TABLE 24	PASSIVE: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION)	94
TABLE 25	PASSIVE: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION)	94
TABLE 26	PASSIVE: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION)	94
TABLE 27	PASSIVE: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION)	95
8	EXOSKELETON MARKET, BY BODY PART	96
8.1	INTRODUCTION	97
FIGURE 40	EXOSKELETON MARKET, BY BODY PART	97
FIGURE 41	LOWER EXTREMITIES SEGMENT TO DOMINATE EXOSKELETON MARKET IN 2023	97
TABLE 28	EXOSKELETON MARKET, BY BODY PART, 2019-2022 (USD MILLION)	98
TABLE 29	EXOSKELETON MARKET, BY BODY PART, 2023-2028 (USD MILLION)	98
8.2	LOWER EXTREMITIES	98
8.2.1	HELP PATIENTS IMPROVE MOTOR PERFORMANCE	98
TABLE 30	LOWER EXTREMITIES: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION)	99
TABLE 31	LOWER EXTREMITIES: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION)	99
8.3	UPPER EXTREMITIES	100

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8.3.1 □ ACT AS HUMAN EXTENDERS TO LIFT HEAVY OBJECTS □ 100  
TABLE 32 □ UPPER EXTREMITIES: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 100  
TABLE 33 □ UPPER EXTREMITIES: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 100  
8.4 □ FULL BODY □ 101  
8.4.1 □ EXOSKELETONS DESIGNED TO ASSIST IN FULL-BODY MOTION □ 101  
TABLE 34 □ FULL BODY: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 101  
TABLE 35 □ FULL BODY: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 101  
9 □ EXOSKELETON MARKET, BY MOBILITY □ 102  
9.1 □ INTRODUCTION □ 103  
FIGURE 42 □ EXOSKELETON MARKET, BY MOBILITY □ 103  
FIGURE 43 □ MOBILE SEGMENT EXPECTED TO HOLD LARGEST SHARE DURING FORECAST PERIOD □ 103  
TABLE 36 □ EXOSKELETON MARKET, BY MOBILITY, 2019-2022 (USD MILLION) □ 104  
TABLE 37 □ EXOSKELETON MARKET, BY MOBILITY, 2023-2028 (USD MILLION) □ 104  
?  
9.2 □ STATIONARY □ 104  
9.2.1 □ STATIONARY EXOSKELETONS WIDELY USED IN MEDICAL APPLICATIONS □ 104  
TABLE 38 □ STATIONARY EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 105  
TABLE 39 □ STATIONARY EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 105  
9.3 □ MOBILE □ 105  
9.3.1 □ MOBILE EXOSKELETONS USED TO AUGMENT PHYSICAL ABILITIES OF ABLE-BODIED HUMANS □ 105  
TABLE 40 □ MOBILE EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 106  
TABLE 41 □ MOBILE EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 106  
10 □ EXOSKELETON MARKET, BY STRUCTURE □ 107  
10.1 □ INTRODUCTION □ 107  
FIGURE 44 □ EXOSKELETON MARKET, BY STRUCTURE □ 107  
10.2 □ RIGID EXOSKELETONS □ 107  
10.2.1 □ RIGID EXOSKELETONS PROVIDE HIGHER TORQUE ACCURATELY AND QUICKLY □ 107  
10.3 □ SOFT EXOSKELETONS □ 108  
10.3.1 □ SOFT EXOSKELETONS SUITABLE FOR APPLICATIONS THAT DEMAND MINIMAL ASSISTANCE □ 108  
11 □ EXOSKELETON MARKET, BY VERTICAL □ 109  
11.1 □ INTRODUCTION □ 110  
FIGURE 45 □ EXOSKELETON MARKET, BY VERTICAL □ 110  
FIGURE 46 □ HEALTHCARE SEGMENT TO DOMINATE EXOSKELETON MARKET IN 2023 □ 110  
TABLE 42 □ EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 111  
TABLE 43 □ EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 111  
11.2 □ HEALTHCARE □ 112  
11.2.1 □ INCREASING ADOPTION OF EXOSKELETONS IN REHABILITATION CENTERS □ 112  
TABLE 44 □ HEALTHCARE: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) □ 112  
TABLE 45 □ HEALTHCARE: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) □ 113  
TABLE 46 □ HEALTHCARE: EXOSKELETON MARKET, BY MOBILITY, 2019-2022 (USD MILLION) □ 113  
TABLE 47 □ HEALTHCARE: EXOSKELETON MARKET, BY MOBILITY, 2023-2028 (USD MILLION) □ 113  
TABLE 48 □ HEALTHCARE: EXOSKELETON MARKET, BY BODY PART, 2019-2022 (USD MILLION) □ 113  
TABLE 49 □ HEALTHCARE: EXOSKELETON MARKET, BY BODY PART, 2023-2028 (USD MILLION) □ 114  
TABLE 50 □ HEALTHCARE: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) □ 114  
TABLE 51 □ HEALTHCARE: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) □ 114  
?  
11.3 □ DEFENSE □ 115

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11.3.1 HIGH INVESTMENT IN EXOSKELETONS FROM DEFENSE SECTORS OF VARIOUS COUNTRIES 115

TABLE 52 DEFENSE: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) 115

TABLE 53 DEFENSE: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) 115

TABLE 54 DEFENSE: EXOSKELETON MARKET, BY MOBILITY, 2019-2022 (USD MILLION) 116

TABLE 55 DEFENSE: EXOSKELETON MARKET, BY MOBILITY, 2023-2028 (USD MILLION) 116

TABLE 56 DEFENSE: EXOSKELETON MARKET, BY BODY PART, 2019-2022 (USD MILLION) 116

TABLE 57 DEFENSE: EXOSKELETON MARKET, BY BODY PART, 2023-2028 (USD MILLION) 116

TABLE 58 DEFENSE: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) 117

TABLE 59 DEFENSE: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) 117

11.4 INDUSTRIAL 117

11.4.1 DEPLOYMENT OF EXOSKELETONS IN INDUSTRIES TO MAXIMIZE SAFETY AND PRODUCTIVITY 117

TABLE 60 INDUSTRIAL: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) 118

TABLE 61 INDUSTRIAL: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) 118

TABLE 62 INDUSTRIAL: EXOSKELETON MARKET, BY MOBILITY, 2019-2022 (USD MILLION) 118

TABLE 63 INDUSTRIAL: EXOSKELETON MARKET, BY MOBILITY, 2023-2028 (USD MILLION) 119

TABLE 64 INDUSTRIAL: EXOSKELETON MARKET, BY BODY PART, 2019-2022 (USD MILLION) 119

TABLE 65 INDUSTRIAL: EXOSKELETON MARKET, BY BODY PART, 2023-2028 (USD MILLION) 119

TABLE 66 INDUSTRIAL: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) 119

TABLE 67 INDUSTRIAL: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) 120

11.5 OTHERS 120

TABLE 68 OTHERS: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) 120

TABLE 69 OTHERS: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) 120

TABLE 70 OTHERS: EXOSKELETON MARKET, BY MOBILITY, 2019-2022 (USD MILLION) 121

TABLE 71 OTHERS: EXOSKELETON MARKET, BY MOBILITY, 2023-2028 (USD MILLION) 121

TABLE 72 OTHERS: EXOSKELETON MARKET, BY BODY PART, 2019-2022 (USD MILLION) 121

TABLE 73 OTHERS: EXOSKELETON MARKET, BY BODY PART, 2023-2028 (USD MILLION) 121

TABLE 74 OTHERS: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) 122

TABLE 75 OTHERS: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) 122

?

12 EXOSKELETON MARKET, BY REGION 123

12.1 INTRODUCTION 124

FIGURE 47 EXOSKELETON MARKET, BY REGION 124

FIGURE 48 REGIONAL SNAPSHOT OF EXOSKELETON MARKET, 2023-2028 124

TABLE 76 EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) 125

TABLE 77 EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) 125

12.2 NORTH AMERICA 126

FIGURE 49 NORTH AMERICA: EXOSKELETON MARKET SNAPSHOT 127

FIGURE 50 US TO DOMINATE NORTH AMERICAN EXOSKELETON MARKET IN 2023 128

TABLE 78 NORTH AMERICA: EXOSKELETON MARKET, BY COUNTRY, 2019-2022 (USD MILLION) 128

TABLE 79 NORTH AMERICA: EXOSKELETON MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 128

TABLE 80 NORTH AMERICA: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) 129

TABLE 81 NORTH AMERICA: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) 129

TABLE 82 NORTH AMERICA: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) 129

TABLE 83 NORTH AMERICA: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 129

12.2.1 US 130

12.2.1.1 Increasing use of exoskeletons in healthcare and military sectors 130

12.2.2 CANADA 130

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- 12.2.2.1 □ Emergence of various robotic startup companies □ 130
- 12.2.3 □ MEXICO □ 131
- 12.2.3.1 □ Increasing prevalence of industrial automation □ 131
- 12.3 □ EUROPE □ 131
- FIGURE 51 □ EUROPE: EXOSKELETON MARKET SNAPSHOT □ 132
- FIGURE 52 □ UK TO LEAD EUROPEAN EXOSKELETON MARKET IN 2023 □ 133
- TABLE 84 □ EUROPE: EXOSKELETON MARKET, BY COUNTRY, 2019-2022 (USD MILLION) □ 133
- TABLE 85 □ EUROPE: EXOSKELETON MARKET, BY COUNTRY, 2023-2028 (USD MILLION) □ 133
- TABLE 86 □ EUROPE: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) □ 134
- TABLE 87 □ EUROPE: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) □ 134
- TABLE 88 □ EUROPE: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 134
- TABLE 89 □ EUROPE: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 134
- 12.3.1 □ UK □ 135
- 12.3.1.1 □ Demand for exoskeletons for healthcare and personal assistance applications to support market growth □ 135
- 12.3.2 □ GERMANY □ 135
- 12.3.2.1 □ Early adoption of exoskeletons propels demand □ 135
- 12.3.3 □ FRANCE □ 136
- 12.3.3.1 □ Government support for robotics research to foster exoskeleton market growth □ 136
- 12.3.4 □ REST OF EUROPE □ 136
- 12.4 □ ASIA PACIFIC □ 136
- FIGURE 53 □ ASIA PACIFIC: EXOSKELETON MARKET SNAPSHOT □ 137
- FIGURE 54 □ JAPAN TO GROW AT HIGHEST CAGR IN ASIA PACIFIC EXOSKELETON MARKET □ 138
- TABLE 90 □ ASIA PACIFIC: EXOSKELETON MARKET, BY COUNTRY, 2019-2022 (USD MILLION) □ 138
- TABLE 91 □ ASIA PACIFIC: EXOSKELETON MARKET, BY COUNTRY, 2023-2028 (USD MILLION) □ 138
- TABLE 92 □ ASIA PACIFIC: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) □ 139
- TABLE 93 □ ASIA PACIFIC: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) □ 139
- TABLE 94 □ ASIA PACIFIC: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 139
- TABLE 95 □ ASIA PACIFIC: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 139
- 12.4.1 □ JAPAN □ 140
- 12.4.1.1 □ Aging population and reduced workforce to fuel demand □ 140
- 12.4.2 □ CHINA □ 140
- 12.4.2.1 □ Emergence of new exoskeleton companies to augment market growth □ 140
- 12.4.3 □ INDIA □ 141
- 12.4.3.1 □ Initiation of various automotive manufacturing projects to fuel exoskeleton market □ 141
- 12.4.4 □ SOUTH KOREA □ 141
- 12.4.4.1 □ Focusing on integrating information and robot technologies in industrial operations to favor market growth □ 141
- 12.4.5 □ REST OF ASIA PACIFIC □ 142
- 12.5 □ REST OF THE WORLD (ROW) □ 142
- FIGURE 55 □ MIDDLE EAST & AFRICA TO COMMAND ROW EXOSKELETON MARKET IN 2023 □ 142
- TABLE 96 □ ROW: EXOSKELETON MARKET, BY REGION, 2019-2022 (USD MILLION) □ 143
- TABLE 97 □ ROW: EXOSKELETON MARKET, BY REGION, 2023-2028 (USD MILLION) □ 143
- TABLE 98 □ ROW: EXOSKELETON MARKET, BY TYPE, 2019-2022 (USD MILLION) □ 143
- TABLE 99 □ ROW: EXOSKELETON MARKET, BY TYPE, 2023-2028 (USD MILLION) □ 143
- TABLE 100 □ ROW: EXOSKELETON MARKET, BY VERTICAL, 2019-2022 (USD MILLION) □ 144
- TABLE 101 □ ROW: EXOSKELETON MARKET, BY VERTICAL, 2023-2028 (USD MILLION) □ 144
- 12.5.1 □ SOUTH AMERICA □ 144
- 12.5.1.1 □ Rising investment in defense vertical to lead to demand for exoskeletons □ 144

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12.5.2	MIDDLE EAST & AFRICA	145
12.5.2.1	Increasing adoption of exoskeletons in search & rescue and defense applications to drive market	145
	?	
13	COMPETITIVE LANDSCAPE	146
13.1	INTRODUCTION	146
	TABLE 102	KEY DEVELOPMENTS IN EXOSKELETON MARKET (2020-2022)
13.2	REVENUE ANALYSIS OF TOP COMPANIES	148
	FIGURE 56	EXOSKELETON MARKET: REVENUE ANALYSIS (2021)
13.3	MARKET SHARE ANALYSIS OF TOP PLAYERS, 2022	148
	TABLE 103	EXOSKELETON MARKET: DEGREE OF COMPETITION
13.4	COMPANY EVALUATION QUADRANT, 2022	150
13.4.1	STARS	150
13.4.2	EMERGING LEADERS	150
13.4.3	PERVASIVE PLAYERS	150
13.4.4	PARTICIPANTS	150
	FIGURE 57	EXOSKELETON MARKET (GLOBAL): COMPANY EVALUATION QUADRANT, 2022
13.5	SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION QUADRANT, 2022	152
13.5.1	PROGRESSIVE COMPANIES	152
13.5.2	RESPONSIVE COMPANIES	152
13.5.3	DYNAMIC COMPANIES	152
13.5.4	STARTING BLOCKS	152
	FIGURE 58	EXOSKELETON MARKET (GLOBAL): SME EVALUATION QUADRANT, 2022
13.6	EXOSKELETON MARKET: COMPANY FOOTPRINT	154
	TABLE 104	COMPANY TYPE FOOTPRINT
	TABLE 105	COMPANY VERTICAL FOOTPRINT
	TABLE 106	COMPANY REGION FOOTPRINT
	TABLE 107	COMPANY FOOTPRINT
13.7	COMPETITIVE SCENARIO AND TRENDS	158
13.7.1	PRODUCT LAUNCHES AND DEVELOPMENTS	158
	TABLE 108	EXOSKELETON MARKET: PRODUCT LAUNCHES AND DEVELOPMENTS, 2020-2022
13.7.2	DEALS	160
	TABLE 109	EXOSKELETON MARKET: DEALS, 2020-2022
14	COMPANY PROFILES	166
	(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*	
14.1	KEY PLAYERS	166
14.1.1	OTTOBOCK	166
	TABLE 110	OTTOBOCK: BUSINESS OVERVIEW
	TABLE 111	OTTOBOCK: PRODUCT OFFERINGS
	TABLE 112	OTTOBOCK: PRODUCT LAUNCHES & DEVELOPMENTS
	TABLE 113	OTTOBOCK: DEALS
14.1.2	DIH MEDICAL	169
	TABLE 114	DIH MEDICAL: BUSINESS OVERVIEW
	TABLE 115	DIH MEDICAL: PRODUCT OFFERINGS
	TABLE 116	DIH MEDICAL: DEALS
14.1.3	CYBERDYNE INC.	173

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TABLE 117	CYBERDYNE INC.: BUSINESS OVERVIEW	173
FIGURE 59	CYBERDYNE INC.: COMPANY SNAPSHOT	174
TABLE 118	CYBERDYNE INC.: PRODUCT OFFERINGS	174
TABLE 119	CYBERDYNE INC.: DEALS	175
14.1.4	EKSO BIONICS	177
TABLE 120	EKSO BIONICS: BUSINESS OVERVIEW	177
FIGURE 60	EKSO BIONICS: COMPANY SNAPSHOT	178
TABLE 121	EKSO BIONICS: PRODUCT OFFERINGS	178
TABLE 122	EKSO BIONICS: PRODUCT LAUNCHES & DEVELOPMENTS	179
TABLE 123	EKSO BIONICS: DEALS	179
14.1.5	LOCKHEED MARTIN CORPORATION	182
TABLE 124	LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW	182
FIGURE 61	LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT	183
TABLE 125	LOCKHEED MARTIN CORPORATION: PRODUCT OFFERINGS	183
14.1.6	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION	185
TABLE 126	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION: BUSINESS OVERVIEW	185
FIGURE 62	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION: COMPANY SNAPSHOT	185
TABLE 127	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION: PRODUCT OFFERINGS	186
TABLE 128	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION: PRODUCT LAUNCHES & DEVELOPMENTS	186
TABLE 129	SARCOS TECHNOLOGY AND ROBOTICS CORPORATION: DEALS	186
14.1.7	BIONIK	188
TABLE 130	BIONIK: BUSINESS OVERVIEW	188
FIGURE 63	BIONIK: COMPANY SNAPSHOT	189
TABLE 131	BIONIK: PRODUCT OFFERINGS	189
TABLE 132	BIONIK: PRODUCT LAUNCHES & DEVELOPMENTS	189
TABLE 133	BIONIK: DEALS	190
14.1.8	B-TEMIA	191
TABLE 134	B-TEMIA: BUSINESS OVERVIEW	191
TABLE 135	B-TEMIA: PRODUCT OFFERINGS	191
TABLE 136	B-TEMIA: PRODUCT LAUNCHES & DEVELOPMENTS	191
14.1.9	MEDITOUCH	192
TABLE 137	MEDITOUCH: BUSINESS OVERVIEW	192
TABLE 138	MEDITOUCH: PRODUCT OFFERINGS	192
14.1.10	REWALK ROBOTICS	194
TABLE 139	REWALK ROBOTICS: BUSINESS OVERVIEW	194
FIGURE 64	REWALK ROBOTICS: COMPANY SNAPSHOT	195
TABLE 140	REWALK ROBOTICS: PRODUCT OFFERINGS	195
TABLE 141	REWALK ROBOTICS: DEALS	196
14.2	OTHER PLAYERS	198
14.2.1	DAIYA INDUSTRY CO., LTD.	198
14.2.2	EUROPE TECHNOLOGIES	199
14.2.3	EXHAUSS	200
14.2.4	FOCAL MEDITECH	201
14.2.5	FOURIER INTELLIGENCE	202
14.2.6	GOGO.AU	203
14.2.7	HONDA MOTOR CO., LTD.	204
14.2.8	HYUNDAI MOTOR COMPANY	205

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14.2.9 MITSUBISHI HEAVY INDUSTRIES, LTD. 206

14.2.10 MYOMO INC. 207

14.2.11 LAEVO EXOSKELETONS 207

14.2.12 P&S MECHANICS CO. LTD. 208

14.2.13 REX BIONICS LTD. 209

14.2.14 RB3D 210

14.2.15 WANDERCRAFT 210

\*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

15 ADJACENT & RELATED MARKETS 211

15.1 INTRODUCTION 211

15.2 LIMITATIONS 211

15.3 COLLABORATIVE ROBOT MARKET, BY PAYLOAD 211

15.3.1 INTRODUCTION 211

TABLE 142 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2018-2021 (USD MILLION) 212

TABLE 143 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2022-2028 (USD MILLION) 212

15.4 UP TO 5 KG 213

15.4.1 COBOTS WITH PAYLOAD CAPACITY BELOW 5 KG INHERENTLY SAFE 213

TABLE 144 COMPANIES OFFERING COBOTS WITH PAYLOAD CAPACITY UP TO 5 KG 213

TABLE 145 UP TO 5 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 214

TABLE 146 UP TO 5 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2022-2028 (USD MILLION) 214

TABLE 147 UP TO 5 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 215

TABLE 148 UP TO 5 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2022-2028 (USD MILLION) 215

15.5 5-10 KG 216

15.5.1 IN-BUILT FORCE SENSORS POSSIBLE IN 5-10 KG COBOTS 216

TABLE 149 COMPANIES OFFERING COBOTS WITH 5-10 KG PAYLOAD CAPACITY 217

TABLE 150 5-10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 217

TABLE 151 5-10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2022-2028 (USD MILLION) 218

TABLE 152 5-10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 218

TABLE 153 5-10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2022-2028 (USD MILLION) 219

15.6 MORE THAN 10 KG 220

15.6.1 ADVANCES IN ROBOTIC HARDWARE TO ENABLE DEVELOPMENT OF MORE THAN 10 KG PAYLOAD COBOTS 220

TABLE 154 COMPANIES OFFERING COBOTS WITH PAYLOAD CAPACITY OF MORE THAN 10 KG 220

TABLE 155 MORE THAN 10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 221

TABLE 156 MORE THAN 10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY APPLICATION, 2022-2028 (USD MILLION) 221

TABLE 157 MORE THAN 10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 222

TABLE 158 MORE THAN 10 KG PAYLOAD: COLLABORATIVE ROBOT MARKET, BY INDUSTRY, 2022-2028 (USD MILLION) 222

16 APPENDIX 224

16.1 INSIGHTS OF INDUSTRY EXPERTS 224

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16.2 DISCUSSION GUIDE 225

16.3 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL 228

16.4 CUSTOMIZATION OPTIONS 230

16.5 RELATED REPORTS 230

16.6 AUTHOR DETAILS 231

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