

Global Soft Robotics Market Size study & Forecast, by Application (Human-Machine Interface and Interaction, Locomotion and Exploration, Manipulation, Medical and Surgical applications, Rehabilitation and Wearable Robots) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GE54FB79F06EEN.html>

Date: September 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GE54FB79F06EEN

Abstracts

Global Soft Robotics Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than 35.1% over the forecast period 2023-2030. Soft robotics is a subset of construction robots that has been especially developed to provide reprogrammable, multifunctional, and adaptable systems that intelligently relate to sensing activity. Additionally, suppliers of soft robotics create materials, components, and enormous active structures that can more easily link to production processes and adapt to their immediate surroundings than robots constructed of hard components. The market growth is driven by significant factors such as rapid industrialization and automation, increasing number of exoskeleton innovations in healthcare industry, and rise in the development of resilient supply chains.

In May 2021, a group of scientists from Queen's University in Canada developed an exoskeleton that lowers the metabolic expenditure of walking. The goal of the research is to develop an exoskeleton that can overcome some of the brakings that happen during walking, hence lowering the metabolic cost of walking generally. According to a report on Soft Robot-Assisted Minimally Invasive Surgery (RAMIS) and Interventions by IEEE published in May 2022, the development of laparoscopic surgery—which is carried out through small incisions—led to a swift shift away from conventional open surgery in the medical field. The natural next step was moving from portable equipment to RAMIS. Robots and an easy user interface made it simple for surgeons to carry out difficult surgical operations, largely simulating the open surgery setting's accessibility. Moreover, innovative robots for small and medium-sized companies and increased R&D

from various countries create lucrative growth during the forecast years. However, lack of awareness and a single centralized regulatory body and lack of homogeneous programming platforms stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Soft Robotics Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is leading the global market share owing to increase in the number of gynecology, urology, as well as orthopedic-related disorders, coupled with improvements in medical facilities. However, APAC is expected to be the fastest growing region owing to massive adoption of the technology with increasing domestic production in the market.

Major market players included in this report are:

Bioservo Technologies AB

Soft Robotics Inc

RightHand Robotics Inc

Ekso Bionics Holdings Inc

Rewalk Robotics Ltd

Yaskawa Electric Corporation

Festo AG

Roam Robotics

ABB Ltd.

Pneubotics Inc

Recent Developments in the Market:

In April 2021, Righthand Robotics Inc. announced the release of Rightpick 3, which has even greater item handling capabilities and boasts dense packing and damage-free item handling. The news is also consistent with ProMatDX's virtual

material handling automation display.

In June 2021, Bioserve developed the advanced exoskeleton glove, recognised by NASA as the Commercial Invention of the Year in 2020, was recently updated and improved. In heavy industries with a high rate of repetitive strain injuries, the Ironhand 2.0 glove can prevent worker deaths while boosting company earnings.

Global Soft Robotics Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Application:

Human-machine Interface and Interaction

Locomotion and Exploration

Manipulation

Medical and Surgical Applications

Rehabilitation and Wearable Robots

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Soft Robotics Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Soft Robotics Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SOFT ROBOTICS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL SOFT ROBOTICS MARKET DYNAMICS

- 3.1. Soft Robotics Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rapid industrialization and automation
 - 3.1.1.2. Increasing number of exoskeleton innovations in healthcare industry
 - 3.1.1.3. Rise in the development of resilient supply chains
 - 3.1.2. Market Challenges
 - 3.1.2.1. Lack of Awareness and a Single Centralized Regulatory Body
 - 3.1.2.2. Lack of homogeneous programming platforms
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Innovative robots for small and medium-sized companies
 - 3.1.3.2. Increased R&D From Various Countries

CHAPTER 4. GLOBAL SOFT ROBOTICS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SOFT ROBOTICS MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Global Soft Robotics Market by Application, Performance - Potential Analysis
- 5.3. Global Soft Robotics Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 5.4. Soft Robotics Market, Sub Segment Analysis
 - 5.4.1. Human-machine Interface and Interaction
 - 5.4.2. Locomotion and Exploration
 - 5.4.3. Manipulation
 - 5.4.4. Medical and Surgical Applications
 - 5.4.5. Rehabilitation and Wearable Robots

CHAPTER 6. GLOBAL SOFT ROBOTICS MARKET, REGIONAL ANALYSIS

- 6.1. Top Leading Countries
- 6.2. Top Emerging Countries
- 6.3. Soft Robotics Market, Regional Market Snapshot
- 6.4. North America Soft Robotics Market
 - 6.4.1. U.S. Soft Robotics Market

- 6.4.1.1. Application breakdown estimates & forecasts, 2020-2030
- 6.4.2. Canada Soft Robotics Market
- 6.5. Europe Soft Robotics Market Snapshot
 - 6.5.1. U.K. Soft Robotics Market
 - 6.5.2. Germany Soft Robotics Market
 - 6.5.3. France Soft Robotics Market
 - 6.5.4. Spain Soft Robotics Market
 - 6.5.5. Italy Soft Robotics Market
 - 6.5.6. Rest of Europe Soft Robotics Market
- 6.6. Asia-Pacific Soft Robotics Market Snapshot
 - 6.6.1. China Soft Robotics Market
 - 6.6.2. India Soft Robotics Market
 - 6.6.3. Japan Soft Robotics Market
 - 6.6.4. Australia Soft Robotics Market
 - 6.6.5. South Korea Soft Robotics Market
 - 6.6.6. Rest of Asia Pacific Soft Robotics Market
- 6.7. Latin America Soft Robotics Market Snapshot
 - 6.7.1. Brazil Soft Robotics Market
 - 6.7.2. Mexico Soft Robotics Market
- 6.8. Middle East & Africa Soft Robotics Market
 - 6.8.1. Saudi Arabia Soft Robotics Market
 - 6.8.2. South Africa Soft Robotics Market
 - 6.8.3. Rest of Middle East & Africa Soft Robotics Market

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Key Company SWOT Analysis
 - 7.1.1. Company
 - 7.1.2. Company
 - 7.1.3. Company
- 7.2. Top Market Strategies
- 7.3. Company Profiles
 - 7.3.1. Bioservo Technologies AB
 - 7.3.1.1. Key Information
 - 7.3.1.2. Overview
 - 7.3.1.3. Financial (Subject to Data Availability)
 - 7.3.1.4. Product Summary
 - 7.3.1.5. Recent Developments
 - 7.3.2. Soft Robotics Inc

- 7.3.3. RightHand Robotics Inc
- 7.3.4. Ekso Bionics Holdings Inc
- 7.3.5. Rewalk Robotics Ltd
- 7.3.6. Yaskawa Electric Corporation
- 7.3.7. Festo AG
- 7.3.8. Roam Robotics
- 7.3.9. ABB Ltd.
- 7.3.10. Pneubotics Inc

CHAPTER 8. RESEARCH PROCESS

- 8.1. Research Process
 - 8.1.1. Data Mining
 - 8.1.2. Analysis
 - 8.1.3. Market Estimation
 - 8.1.4. Validation
 - 8.1.5. Publishing
- 8.2. Research Attributes
- 8.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Soft Robotics Market, report scope

TABLE 2. Global Soft Robotics Market estimates & forecasts by Region 2020-2030
(USD Billion)

TABLE 3. Global Soft Robotics Market estimates & forecasts by Application 2020-2030
(USD Billion)

TABLE 4. Global Soft Robotics Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 5. Global Soft Robotics Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 6. Global Soft Robotics Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 7. Global Soft Robotics Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 8. Global Soft Robotics Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 9. Global Soft Robotics Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 10. Global Soft Robotics Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 11. Global Soft Robotics Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 12. Global Soft Robotics Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 13. Global Soft Robotics Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 14. U.S. Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Soft Robotics Market estimates & forecasts by segment 2020-2030
(USD Billion)

TABLE 16. U.S. Soft Robotics Market estimates & forecasts by segment 2020-2030
(USD Billion)

TABLE 17. Canada Soft Robotics Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 18. Canada Soft Robotics Market estimates & forecasts by segment 2020-2030
(USD Billion)

TABLE 19. Canada Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 20. UK Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 21. UK Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. Germany Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 24. Germany Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. France Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 27. France Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. Italy Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 30. Italy Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Spain Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 33. Spain Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. RoE Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 36. RoE Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. China Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 39. China Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. China Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. India Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 42. India Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 43. India Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 44. Japan Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 45. Japan Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 46. Japan Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 47. South Korea Soft Robotics Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 48. South Korea Soft Robotics Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 49. South Korea Soft Robotics Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 50. Australia Soft Robotics Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 51. Australia Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 52. Australia Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 53. RoAPAC Soft Robotics Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 54. RoAPAC Soft Robotics Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 55. RoAPAC Soft Robotics Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 56. Brazil Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 57. Brazil Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 58. Brazil Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 59. Mexico Soft Robotics Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 60. Mexico Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 61. Mexico Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 62. RoLA Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. RoLA Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 64. RoLA Soft Robotics Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 65. Saudi Arabia Soft Robotics Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. South Africa Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. RoMEA Soft Robotics Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. List of secondary sources, used in the study of global Soft Robotics Market

TABLE 69. List of primary sources, used in the study of global Soft Robotics Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Soft Robotics Market, research methodology
 - FIG 2. Global Soft Robotics Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Soft Robotics Market, key trends 2022
 - FIG 5. Global Soft Robotics Market, growth prospects 2023-2030
 - FIG 6. Global Soft Robotics Market, porters 5 force model
 - FIG 7. Global Soft Robotics Market, pest analysis
 - FIG 8. Global Soft Robotics Market, value chain analysis
 - FIG 9. Global Soft Robotics Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Soft Robotics Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Soft Robotics Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Soft Robotics Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Soft Robotics Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Soft Robotics Market, regional snapshot 2020 & 2030
 - FIG 15. North America Soft Robotics Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Soft Robotics Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia Pacific Soft Robotics Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Soft Robotics Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Soft Robotics Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Soft Robotics Market Size study & Forecast, by Application (Human-Machine Interface and Interaction, Locomotion and Exploration, Manipulation, Medical and Surgical applications, Rehabilitation and Wearable Robots) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GE54FB79F06EEN.html>

Price: US\$ 4,950.00 (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/GE54FB79F06EEN.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