

Global Orthopedic Surgical Robots Market Size study & Forecast, by Application (Hip, Knee, Spine, Others), by End-Use (Inpatient, Outpatient) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G2CDB58D0AF4EN.html>

Date: April 2024

Pages: 200

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

ID: G2CDB58D0AF4EN

Abstracts

Global Orthopedic Surgical Robots Market is valued approximately USD 703.12 Million in 2022 and is anticipated to grow with a healthy growth rate of more than 5.70% over the forecast period 2023-2030. Orthopedic surgical robots are advanced technological systems designed to assist orthopedic surgeons in performing precise and minimally invasive surgeries. These robots are equipped with sophisticated imaging technology and robotic arms that can be controlled by the surgeon to execute delicate procedures with enhanced accuracy. Additionally, orthopedic surgical robots can help reduce surgical trauma, minimize tissue damage, and shorten recovery times compared to traditional surgical methods. They represent a significant advancement in the field of orthopedic surgery, offering a combination of precision, efficiency, and patient benefits. The Orthopedic Surgical Robots market is expanding because of factors such as increasing cases of knee and hip replacement surgeries, rising incidence of osteoarthritis and rising spending on healthcare technologies.

The rising incidence of osteoarthritis is a significant factor driving the growth of the orthopedic surgical robot's market. Osteoarthritis, a degenerative joint disease characterized by the breakdown of cartilage in the joints, is becoming increasingly prevalent due to factors such as aging populations, sedentary lifestyles, and obesity. As the population ages and the prevalence of conditions like osteoarthritis continues to rise, there is a growing demand for orthopedic procedures, such as joint replacements, to alleviate pain and improve mobility. According to data published by WHO in July 2022, an estimated 1.71 billion people across the globe have musculoskeletal disorders, with 528 million people suffering from osteoarthritis. Moreover, according to Centers for

Disease Control and Prevention, in year 2020, there were around 63 million people in US had diagnosed with arthritis which is expected to reach at 78 million by year 2045. Thus, rising incidence of osteoarthritis is driving the market growth. In addition, growing preference for minimally invasive surgical procedures and advancements in robotic technology are creating new opportunities for the market growth. However, the high cost of orthopedic surgical robots and concerns about efficacy and safety stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Orthopedic Surgical Robots Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increasing incidence of orthopedic conditions, rising technological advancements, favorable reimbursement policies and high healthcare spending in the region. Asia Pacific is expected to grow at a fastest rate during the forecast period. The orthopedic surgical robot market is poised for significant growth in the coming years, largely attributed to the robust GDP expansion anticipated, particularly driven by economic growth in China and Japan. Key to this growth are government-led initiatives aimed at incentivizing and facilitating the adoption of cutting-edge medical technologies, including orthopedic surgical robots. Moreover, market growth is further propelled by regulatory approvals from governmental agencies. A case in point is Beijing Tinavi Medical Technologies Co. Ltd.'s surgical robot receiving approval from China's National Medical Products Administration (NMPA) in July 2023. This approval enhances its capability to perform total knee replacement surgeries and expands its product range to encompass spine, trauma, and joint procedures within orthopedic surgery.

Major market player included in this report are:

Medrobotics Corporation

Medtronic Plc

Stryker Corporation

THINK Surgical, Inc.

Renishaw plc

Accuray Incorporated

Globus Medical

Auris Health Inc.

Johnson & Johnson Services Inc.

Nordson Corporation

OMNILife science Inc.

Recent Developments in the Market:

In February 2024, THINK Surgical unveiled a strategic partnership with Maxx Orthopedics, integrating Maxx Orthopedic implants into the TMINITM Miniature Robotic system. This collaboration aims to establish an inclusive platform for orthopedic surgical robots, facilitating the support of various implants.

In November 2023, Monogram Orthopaedics Inc. introduced its inaugural surgical robot to the global market, aiming to enhance orthopedic joint replacement surgery through state-of-the-art, next-generation robotic technology.

Global Orthopedic Surgical Robots 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, End-Use 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:

Hip

Knee

Spine

Others

By End-use:

Inpatient

Outpatient

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 Million)
 - 1.2.1. Orthopedic Surgical Robots Market, by Region, 2020-2030 (USD Million)
 - 1.2.2. Orthopedic Surgical Robots Market, by Application, 2020-2030 (USD Million)
 - 1.2.3. Orthopedic Surgical Robots Market, by End-Use, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ORTHOPEDIC SURGICAL ROBOTS 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 ORTHOPEDIC SURGICAL ROBOTS MARKET DYNAMICS

- 3.1. Orthopedic Surgical Robots Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing cases of knee and hip replacement surgeries
 - 3.1.1.2. Rising incidence of osteoarthritis
 - 3.1.1.3. Rising spending on healthcare technologies
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Orthopedic Surgical Robots
 - 3.1.2.2. Concerns about efficacy and safety
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing preference for minimally invasive surgical procedures
 - 3.1.3.2. Advancements in robotic technology

CHAPTER 4. GLOBAL ORTHOPEDIC SURGICAL ROBOTS 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 ORTHOPEDIC SURGICAL ROBOTS MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Global Orthopedic Surgical Robots Market by Application, Performance - Potential Analysis
- 5.3. Global Orthopedic Surgical Robots Market Estimates & Forecasts by Application 2020-2030 (USD Million)
- 5.4. Orthopedic Surgical Robots Market, Sub Segment Analysis
 - 5.4.1. Hip
 - 5.4.2. Knee
 - 5.4.3. Spine
 - 5.4.4. Others

CHAPTER 6. GLOBAL ORTHOPEDIC SURGICAL ROBOTS MARKET, BY END-USE

- 6.1. Market Snapshot

6.2. Global Orthopedic Surgical Robots Market by End-Use, Performance - Potential Analysis

6.3. Global Orthopedic Surgical Robots Market Estimates & Forecasts by End-Use 2020-2030 (USD Million)

6.4. Orthopedic Surgical Robots Market, Sub Segment Analysis

6.4.1. Inpatient

6.4.2. Outpatient

CHAPTER 7. GLOBAL ORTHOPEDIC SURGICAL ROBOTS MARKET, REGIONAL ANALYSIS

7.1. Top Leading Countries

7.2. Top Emerging Countries

7.3. Orthopedic Surgical Robots Market, Regional Market Snapshot

7.4. North America Orthopedic Surgical Robots Market

7.4.1. U.S. Orthopedic Surgical Robots Market

7.4.1.1. Application breakdown estimates & forecasts, 2020-2030

7.4.1.2. End-Use breakdown estimates & forecasts, 2020-2030

7.4.2. Canada Orthopedic Surgical Robots Market

7.5. Europe Orthopedic Surgical Robots Market Snapshot

7.5.1. U.K. Orthopedic Surgical Robots Market

7.5.2. Germany Orthopedic Surgical Robots Market

7.5.3. France Orthopedic Surgical Robots Market

7.5.4. Spain Orthopedic Surgical Robots Market

7.5.5. Italy Orthopedic Surgical Robots Market

7.5.6. Rest of Europe Orthopedic Surgical Robots Market

7.6. Asia-Pacific Orthopedic Surgical Robots Market Snapshot

7.6.1. China Orthopedic Surgical Robots Market

7.6.2. India Orthopedic Surgical Robots Market

7.6.3. Japan Orthopedic Surgical Robots Market

7.6.4. Australia Orthopedic Surgical Robots Market

7.6.5. South Korea Orthopedic Surgical Robots Market

7.6.6. Rest of Asia Pacific Orthopedic Surgical Robots Market

7.7. Latin America Orthopedic Surgical Robots Market Snapshot

7.7.1. Brazil Orthopedic Surgical Robots Market

7.7.2. Mexico Orthopedic Surgical Robots Market

7.8. Middle East & Africa Orthopedic Surgical Robots Market

7.8.1. Saudi Arabia Orthopedic Surgical Robots Market

7.8.2. South Africa Orthopedic Surgical Robots Market

7.8.3. Rest of Middle East & Africa Orthopedic Surgical Robots Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Medrobotics Corporation

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Recent Developments

8.3.2. Medtronic Plc

8.3.3. Stryker Corporation

8.3.4. THINK Surgical, Inc.

8.3.5. Renishaw plc

8.3.6. Accuray Incorporated

8.3.7. Globus Medical

8.3.8. Auris Health Inc.

8.3.9. Johnson & Johnson Services Inc.

8.3.10. Nordson Corporation

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Orthopedic Surgical Robots Market, report scope

TABLE 2. Global Orthopedic Surgical Robots Market estimates & forecasts by Region 2020-2030 (USD Million)

TABLE 3. Global Orthopedic Surgical Robots Market estimates & forecasts by Application 2020-2030 (USD Million)

TABLE 4. Global Orthopedic Surgical Robots Market estimates & forecasts by End-Use 2020-2030 (USD Million)

TABLE 5. Global Orthopedic Surgical Robots Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 6. Global Orthopedic Surgical Robots Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 7. Global Orthopedic Surgical Robots Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 8. Global Orthopedic Surgical Robots Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 9. Global Orthopedic Surgical Robots Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 10. Global Orthopedic Surgical Robots Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 11. Global Orthopedic Surgical Robots Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 12. Global Orthopedic Surgical Robots Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 13. Global Orthopedic Surgical Robots Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 14. Global Orthopedic Surgical Robots Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 15. U.S. Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 16. U.S. Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 17. U.S. Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 18. Canada Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 19. Canada Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 20. Canada Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 21. UK Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 22. UK Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 23. UK Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 24. Germany Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 25. Germany Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 26. Germany Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 27. France Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 28. France Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 29. France Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 30. Italy Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 31. Italy Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 32. Italy Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 33. Spain Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 34. Spain Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 35. Spain Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 36. RoE Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 37. RoE Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 38. RoE Orthopedic Surgical Robots Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 39. China Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 40. China Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 41. China Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 42. India Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 43. India Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 44. India Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 45. Japan Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 46. Japan Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 47. Japan Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 48. South Korea Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 49. South Korea Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 50. South Korea Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 51. Australia Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 52. Australia Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 53. Australia Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 54. RoAPAC Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 55. RoAPAC Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 56. RoAPAC Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 57. Brazil Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 58. Brazil Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 59. Brazil Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 60. Mexico Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 61. Mexico Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 62. Mexico Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 63. RoLA Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 64. RoLA Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 65. RoLA Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 66. Saudi Arabia Orthopedic Surgical Robots Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 67. South Africa Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 68. RoMEA Orthopedic Surgical Robots Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 69. List of secondary sources, used in the study of global Orthopedic Surgical Robots Market

TABLE 70. List of primary sources, used in the study of global Orthopedic Surgical Robots Market

TABLE 71. Years considered for the study

TABLE 72. 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 Orthopedic Surgical Robots Market, research methodology
 - FIG 2. Global Orthopedic Surgical Robots Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Orthopedic Surgical Robots Market, key trends 2022
 - FIG 5. Global Orthopedic Surgical Robots Market, growth prospects 2023-2030
 - FIG 6. Global Orthopedic Surgical Robots Market, porters 5 force model
 - FIG 7. Global Orthopedic Surgical Robots Market, pest analysis
 - FIG 8. Global Orthopedic Surgical Robots Market, value chain analysis
 - FIG 9. Global Orthopedic Surgical Robots Market by segment, 2020 & 2030 (USD Million)
 - FIG 10. Global Orthopedic Surgical Robots Market by segment, 2020 & 2030 (USD Million)
 - FIG 11. Global Orthopedic Surgical Robots Market by segment, 2020 & 2030 (USD Million)
 - FIG 12. Global Orthopedic Surgical Robots Market by segment, 2020 & 2030 (USD Million)
 - FIG 13. Global Orthopedic Surgical Robots Market by segment, 2020 & 2030 (USD Million)
 - FIG 14. Global Orthopedic Surgical Robots Market, regional snapshot 2020 & 2030
 - FIG 15. North America Orthopedic Surgical Robots Market 2020 & 2030 (USD Million)
 - FIG 16. Europe Orthopedic Surgical Robots Market 2020 & 2030 (USD Million)
 - FIG 17. Asia pacific Orthopedic Surgical Robots Market 2020 & 2030 (USD Million)
 - FIG 18. Latin America Orthopedic Surgical Robots Market 2020 & 2030 (USD Million)
 - FIG 19. Middle East & Africa Orthopedic Surgical Robots Market 2020 & 2030 (USD Million)
- 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 Orthopedic Surgical Robots Market Size study & Forecast, by Application (Hip, Knee, Spine, Others), by End-Use (Inpatient, Outpatient) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G2CDB58D0AF4EN.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/G2CDB58D0AF4EN.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