

Global AI-based Surgical Robots Market Size study, by Product (Services, Instruments And Accessories), by Application (Orthopedics, Neurology, Urology, Gynecology) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/GFE22329889BEN.html>

Date: July 2021

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: GFE22329889BEN

Abstracts

Global AI-based Surgical Robots Market is valued approximately USD 4.7 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 16% over the forecast period 2021-2027. Artificial intelligence is playing a vital role in supporting clinical decision-making and is now used for risk stratification, genomics, imaging and diagnosis and surgical robots. Surgical trauma can be reduced through minimally invasive surgery which is now progressively being combined with robotic assistance. Surgical robots are helpful in conducting decision-making, and executing the desired tasks with increased precision, safety, and accuracy. To efficiently decrease pathogen spread in doctors too, robots can be integrated at numerous sections of the order, which each surgical patient navigates during a hospital stay. Above mentioned advantages, coupled with increased penetration of advanced technologies in healthcare industry, are driving the AI-based Surgical Robots market. Many companies are doing research and development in robotic surgery sphere. In 2021, Medtronic's Hugo RAS system robot performed its first clinical procedure. Hugo RAS system syndicates instruments, 3D visualization, and a surgical video with help of support teams focusing on robotic surgery program optimization, service, and training. The high cost of investments in surgical robots may act as a restraint for its growth. However, increasing research and development in technological field of artificial intelligence and robotics acts as an opportunity for AI-based Surgical Robots Market in subsequent decade.

Key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World are analysed to provide a holistic picture of AI-based Surgical Robots Market. Due to higher rate of technological advancements in medical industry as well as higher

per capita income, North America has emerged as a significant region across the world in terms of market share. Whereas, Asia-Pacific is expected to exhibit the highest growth rate for the forecast period 2021-2027 owing to the growing healthcare industry. Rising disposable income and growing awareness for artificial intelligence usage in medical industry will also boost growth in this region.

Major market player included in this report are:

Accuray Incorporated

Intuitive Surgical, Inc.

Medtronic, plc

Medrobotics Corporation

Zimmer Biomet

Stereotaxis, Inc

Transenterix, Inc (Asensus Inc)

Stryker Corporation

Activ Surgical, Inc.

Titan Medical, Inc.

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Product:

Services

Instruments and Accessories

By Application:

Orthopaedics

Neurology

Urology

Gynaecology

Others

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global AI-based Surgical Robots Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. AI-based Surgical Robots Market, by Product, 2019-2027 (USD Billion)
 - 1.2.2. AI-based Surgical Robots Market, by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL AI-BASED SURGICAL ROBOTS MARKET DEFINITION AND SCOPE

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

CHAPTER 3. GLOBAL AI-BASED SURGICAL ROBOTS MARKET DYNAMICS

- 3.1. AI-based Surgical Robots Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Accuracy and precision provided by surgical robots
 - 3.1.1.2. Increasing investments in healthcare technology
 - 3.1.2. Market Challenges
 - 3.1.2.1. Higher cost of deploying surgical robots
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing research and development in AI and robotics

CHAPTER 4. GLOBAL AI-BASED 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
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL AI-BASED SURGICAL ROBOTS MARKET, BY PRODUCT

- 5.1. Market Snapshot
- 5.2. Global AI-based Surgical Robots Market by Product, Performance - Potential Analysis
- 5.3. Global AI-based Surgical Robots Market Estimates & Forecasts by Product 2018-2027 (USD Billion)
- 5.4. AI-based Surgical Robots Market, Sub Segment Analysis
 - 5.4.1. Services
 - 5.4.2. Instruments and Accessories

CHAPTER 6. GLOBAL AI-BASED SURGICAL ROBOTS MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global AI-based Surgical Robots Market by Application, Performance - Potential Analysis
- 6.3. Global AI-based Surgical Robots Market Estimates & Forecasts by Application 2018-2027 (USD Billion)
- 6.4. AI-based Surgical Robots Market, Sub Segment Analysis
 - 6.4.1. Orthopaedics
 - 6.4.2. Neurology
 - 6.4.3. Urology
 - 6.4.4. Gynaecology
 - 6.4.5. Others

CHAPTER 7. GLOBAL AI-BASED SURGICAL ROBOTS MARKET, REGIONAL

ANALYSIS

- 7.1. AI-based Surgical Robots Market, Regional Market Snapshot
- 7.2. North America AI-based Surgical Robots Market
 - 7.2.1. U.S. AI-based Surgical Robots Market
 - 7.2.1.1. Product breakdown estimates & forecasts, 2018-2027
 - 7.2.1.2. Application breakdown estimates & forecasts, 2018-2027
 - 7.2.2. Canada AI-based Surgical Robots Market
- 7.3. Europe AI-based Surgical Robots Market Snapshot
 - 7.3.1. U.K. AI-based Surgical Robots Market
 - 7.3.2. Germany AI-based Surgical Robots Market
 - 7.3.3. France AI-based Surgical Robots Market
 - 7.3.4. Spain AI-based Surgical Robots Market
 - 7.3.5. Italy AI-based Surgical Robots Market
 - 7.3.6. Rest of Europe AI-based Surgical Robots Market
- 7.4. Asia-Pacific AI-based Surgical Robots Market Snapshot
 - 7.4.1. China AI-based Surgical Robots Market
 - 7.4.2. India AI-based Surgical Robots Market
 - 7.4.3. Japan AI-based Surgical Robots Market
 - 7.4.4. Australia AI-based Surgical Robots Market
 - 7.4.5. South Korea AI-based Surgical Robots Market
 - 7.4.6. Rest of Asia Pacific AI-based Surgical Robots Market
- 7.5. Latin America AI-based Surgical Robots Market Snapshot
 - 7.5.1. Brazil AI-based Surgical Robots Market
 - 7.5.2. Mexico AI-based Surgical Robots Market
- 7.6. Rest of The World AI-based Surgical Robots Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
- 8.3. Accuray Incorporated
 - 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. Intuitive Surgical, Inc.
- 8.3.3. Medtronic, plc

- 8.3.4. Medrobotics Corporation
- 8.3.5. Zimmer Biomet
- 8.3.6. Stereotaxis, Inc
- 8.3.7. Transenterix, Inc (Asensus Inc)
- 8.3.8. Stryker Corporation
- 8.3.9. Activ Surgical, Inc.
- 8.3.10. Titan Medical, Inc.

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 AI-based Surgical Robots Market, report scope
- TABLE 2. Global AI-based Surgical Robots Market estimates & forecasts by region 2018-2027 (USD Billion)
- TABLE 3. Global AI-based Surgical Robots Market estimates & forecasts by Product 2018-2027 (USD Billion)
- TABLE 4. Global AI-based Surgical Robots Market estimates & forecasts by Application 2018-2027 (USD Billion)
- TABLE 5. Global AI-based Surgical Robots Market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 6. Global AI-based Surgical Robots Market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 7. Global AI-based Surgical Robots Market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 8. Global AI-based Surgical Robots Market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 9. Global AI-based Surgical Robots Market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 10. Global AI-based Surgical Robots Market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 11. Global AI-based Surgical Robots Market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 12. Global AI-based Surgical Robots Market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 13. Global AI-based Surgical Robots Market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 14. Global AI-based Surgical Robots Market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 15. U.S. AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 16. U.S. AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 17. U.S. AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 18. Canada AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. Canada AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 20. Canada AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 21. UK AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. UK AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. UK AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. Germany AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. Germany AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Germany AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. RoE AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 28. RoE AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. RoE AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. China AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 31. China AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. China AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. India AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 34. India AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. India AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. Japan AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 37. Japan AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Japan AI-based Surgical Robots Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 39. RoAPAC AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 40. RoAPAC AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 41. RoAPAC AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. Brazil AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 43. Brazil AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. Brazil AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. Mexico AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 46. Mexico AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. Mexico AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. RoLA AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 49. RoLA AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. RoLA AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. Row AI-based Surgical Robots Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 52. Row AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. Row AI-based Surgical Robots Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global AI-based Surgical Robots Market

TABLE 55. List of primary sources, used in the study of global AI-based Surgical Robots Market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global AI-based Surgical Robots Market, research methodology
- FIG 2. Global AI-based Surgical Robots Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global AI-based Surgical Robots Market, key trends 2020
- FIG 5. Global AI-based Surgical Robots Market, growth prospects 2021-2027
- FIG 6. Global AI-based Surgical Robots Market, porters 5 force model
- FIG 7. Global AI-based Surgical Robots Market, pest analysis
- FIG 8. Global AI-based Surgical Robots Market, value chain analysis
- FIG 9. Global AI-based Surgical Robots Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global AI-based Surgical Robots Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global AI-based Surgical Robots Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global AI-based Surgical Robots Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global AI-based Surgical Robots Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global AI-based Surgical Robots Market, regional snapshot 2018 & 2027
- FIG 15. North America AI-based Surgical Robots Market 2018 & 2027 (USD Billion)
- FIG 16. Europe AI-based Surgical Robots Market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific AI-based Surgical Robots Market 2018 & 2027 (USD Billion)
- FIG 18. Latin America AI-based Surgical Robots Market 2018 & 2027 (USD Billion)
- FIG 19. Global AI-based Surgical Robots Market, company market share analysis (2020)

I would like to order

Product name: Global AI-based Surgical Robots Market Size study, by Product (Services, Instruments And Accessories), by Application (Orthopedics, Neurology, Urology, Gynecology) and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/GFE22329889BEN.html>

Price: US\$ 3,218.00 (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/GFE22329889BEN.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