

Artificial Intelligence (AI) in Operating Room Market - 2025-2033

<https://marketpublishers.com/r/AB350EE9C9A3EN.html>

Date: April 2026

Pages: 220

Price: US\$ 2,999.00 (Single User License)

ID: AB350EE9C9A3EN

Abstracts

The Artificial Intelligence (AI) in Operating Room Market was valued at US\$ 661.8 million in 2025 and is anticipated to reach US\$ 2,381.6 million by 2033, at a CAGR of 0.154 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Artificial Intelligence (AI) in Operating Room Market.

This report delivers a comprehensive overview of the Artificial Intelligence (AI) in Operating Room Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Artificial Intelligence (AI) in Operating Room Market. The Artificial Intelligence (AI) in Operating Room Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2033.

Artificial Intelligence (AI) in Operating Room Market Scope:

Key Players

Activ Surgical, Inc

Major Highlights

This report delivers a comprehensive overview of the Artificial Intelligence (AI) in Operating Room Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Artificial Intelligence (AI) in Operating Room Market. The Artificial Intelligence (AI) in Operating Room Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2033.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

Partner Identification

Increase Your Customer Base by 3X using our Partner Identification tool

Uncover strategic collaboration opportunities with DataM vetted partners aligned

to your ecosystem.

Identify high potential M&A targets based on synergies, market positioning and growth trajectory.

Prioritize partners by strategic fit rather than general capability.

Why Choose DataM?

Data-Driven Insights: Dive into detailed analyses with granular insights such as pricing, market shares and value chain evaluations, enriched by interviews with industry leaders and disruptors.

Post-Purchase Support and Expert Analyst Consultations: As a valued client, gain direct access to our expert analysts for personalized advice and strategic guidance, tailored to your specific needs and challenges.

White Papers and Case Studies: Benefit quarterly from our in-depth studies related to your purchased titles, tailored to refine your operational and marketing strategies for maximum impact.

Annual Updates on Purchased Reports: As an existing customer, enjoy the privilege of annual updates to your reports, ensuring you stay abreast of the latest market insights and technological advancements. Terms and conditions apply.

Specialized Focus on Emerging Markets: DataM differentiates itself by delivering in-depth, specialized insights specifically for emerging markets, rather than offering generalized geographic overviews. This approach equips our clients with a nuanced understanding and actionable intelligence that are essential for navigating and succeeding in high-growth regions.

Value of DataM Reports: Our reports offer specialized insights tailored to the latest trends and specific business inquiries. This personalized approach provides a deeper, strategic perspective, ensuring you receive the precise information necessary to make informed decisions. These insights complement and go beyond what is typically available in generic databases.

Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. MARKET INTRODUCTION AND SCOPE

- 1.1. Objectives of the Report
- 1.2. Report Coverage & Definitions
- 1.3. Report Scope

2. EXECUTIVE INSIGHTS AND KEY TAKEAWAYS

3. MARKET HIGHLIGHTS AND STRATEGIC TAKEAWAYS

- 3.1. Key Trends and Future Projections

4. SNIPPET BY OFFERING

- 4.1. Snippet by Application
- 4.2. Snippet by End User
- 4.3. Snippet by Region

5. DYNAMICS

5.1. Impacting Factors

5.1.1. Drivers

- 5.1.1.1. Advancements in Surgical Robotics and AI Integration
- 5.1.1.2. Increasing Demand for Minimally Invasive Surgeries
- 5.1.1.3. XX

5.1.2. Restraints

- 5.1.2.1. High Cost of Implementation and Maintenance
- 5.1.2.2. Data Security and Privacy Concerns
- 5.1.2.3. XX

5.1.3. Opportunity

- 5.1.3.1. Expansion of AI Applications in Emerging Markets
- 5.1.3.2. XX

5.1.4. Impact Analysis

6. STRATEGIC INSIGHTS AND INDUSTRY OUTLOOK

6.1. Market Leaders and Pioneers

- 6.1.1. Emerging Pioneers and Prominent Players
- 6.1.2. Established leaders with largest largest-selling Brand
- 6.1.3. Market leaders with established products & Services
- 6.2. CXO Perspectives
- 6.3. Latest Developments and Breakthroughs
- 6.4. Case Studies/Ongoing Research
- 6.5. Regulatory and Reimbursement Landscape
 - 6.5.1. North America
 - 6.5.2. Europe
 - 6.5.3. Asia Pacific
 - 6.5.4. South America
 - 6.5.5. Middle East & Africa
- 6.6. Porter's Five Force Analysis
- 6.7. Supply Chain Analysis
- 6.8. Patent Analysis
- 6.9. SWOT Analysis
- 6.10. Unmet Needs and Gaps
- 6.11. Recommended Strategies for Market Entry and Expansion
- 6.12. Scenario Analysis: Best-Case, Base-Case, and Worst-Case Forecasts
- 6.13. Pricing Analysis and Price Dynamics
- 6.14. Key Opinion Leaders

7. GLOBAL ARTIFICIAL INTELLIGENCE IN OPERATING ROOM MARKET, BY OFFERING

- 7.1. Introduction
 - 7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering
 - 7.1.2. Market Attractiveness Index, By Offering
- 7.2. Software*
 - 7.2.1. Introduction
 - 7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
 - 7.2.3. AI surgical assistance platforms
 - 7.2.4. Image recognition and diagnostics
 - 7.2.5. Workflow optimization software
- 7.3. Hardware
 - 7.3.1. AI-enabled surgical robots
 - 7.3.2. Sensors and imaging devices
- 7.4. Services
 - 7.4.1. Installation and integration

7.4.2. Maintenance and support

7.4.3. Training and education

8. GLOBAL ARTIFICIAL INTELLIGENCE IN OPERATING ROOM MARKET, BY APPLICATION

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

8.1.2. Market Attractiveness Index, By Application

8.2. Surgical Planning and Navigation*

8.2.1. Introduction

8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)?

8.3. Intraoperative Decision Support

8.4. Postoperative Outcome Analysis

9. GLOBAL ARTIFICIAL INTELLIGENCE IN OPERATING ROOM MARKET, BY END USER

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User

9.1.2. Market Attractiveness Index, By End User

9.2. Hospitals*

9.2.1. Introduction

9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)?

9.3. Ambulatory Surgical Centers (ASCs)

9.4. Specialty Clinics

9.5. Academic & Research Institutes

10. ARTIFICIAL INTELLIGENCE IN OPERATING ROOM MARKET REGIONAL MARKET ANALYSIS AND GROWTH OPPORTUNITIES

11. INTRODUCTION

11.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

11.1.1. Market Attractiveness Index, By Region

11.2. North America

11.2.1. Introduction

11.2.2. Key Region-Specific Dynamics

11.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering

- 11.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
- 11.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User
- 11.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.2.6.1. U.S.
 - 11.2.6.2. Canada
 - 11.2.6.3. Mexico
- 11.3. Europe
 - 11.3.1. Introduction
 - 11.3.2. Key Region-Specific Dynamics
 - 11.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering
 - 11.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
 - 11.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User
 - 11.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.3.6.1. Germany
 - 11.3.6.2. U.K.
 - 11.3.6.3. France
 - 11.3.6.4. Spain
 - 11.3.6.5. Italy
 - 11.3.6.6. Rest of Europe
- 11.4. South America
 - 11.4.1. Introduction
 - 11.4.2. Key Region-Specific Dynamics
 - 11.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering
 - 11.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
 - 11.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User
 - 11.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.4.6.1. Brazil
 - 11.4.6.2. Argentina
 - 11.4.6.3. Rest of South America
- 11.5. Asia-Pacific
 - 11.5.1. Introduction
 - 11.5.2. Key Region-Specific Dynamics
 - 11.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering
 - 11.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
 - 11.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User
 - 11.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.5.6.1. China
 - 11.5.6.2. India
 - 11.5.6.3. Japan

11.5.6.4. South Korea

11.5.6.5. Rest of Asia-Pacific

11.6. Middle East and Africa

11.6.1. Introduction

11.6.2. Key Region-Specific Dynamics

11.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Offering

11.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

11.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User

12. COMPETITIVE LANDSCAPE AND MARKET POSITIONING

13. COMPETITIVE OVERVIEW AND KEY MARKET PLAYERS

13.1. Market Share Analysis and Positioning Matrix

13.2. Strategic Partnerships, Mergers & Acquisitions

13.3. Key Developments in Offering Portfolios and Innovations

13.4. Company Benchmarking

14. COMPANY PROFILES

14.1. Activ Surgical, Inc*

14.1.1. Company Overview

14.1.2. Offering Portfolio

14.1.2.1. Offering Description

14.1.2.2. Offering Key Performance Indicators (KPIs)

14.1.2.3. Historic and Forecasted Offering Sales

14.1.2.4. Offering Sales Volume

15. FINANCIAL OVERVIEW

15.1. Company Revenue

15.1.1. Geographical Revenue Shares

15.1.1.1. Revenue Forecasts

15.1.2. Key Developments

15.1.2.1. Mergers & Acquisitions

15.1.2.2. Key Offering Development Activities

15.1.2.3. Regulatory Approvals, etc.

15.1.3. SWOT Analysis

15.2. Brainomix Ltd

- 15.3. Caresyntax, Inc
- 15.4. Medtronic
- 15.5. DeepOR S.A.S
- 15.6. ExplORer Surgical Corp.
- 15.7. Holo Surgical Inc.
- 15.8. Tianjin JingMing New Tech. Devp. Co., Ltd
- 15.9. HANSON MEDITEC CO., LTD
- 15.10. Huaian Meide Medical Instrument Co., Ltd (*LIST NOT EXHAUSTIVE)

16. ASSUMPTIONS AND RESEARCH METHODOLOGY

- 16.1. Data Collection Methods
- 16.2. Data Triangulation
- 16.3. Forecasting Techniques
- 16.4. Data Verification and Validation

17. APPENDIX

- 17.1. About Us and Services
- 17.2. Contact Us

I would like to order

Product name: Artificial Intelligence (AI) in Operating Room Market - 2025-2033

Product link: <https://marketpublishers.com/r/AB350EE9C9A3EN.html>

Price: US\$ 2,999.00 (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/AB350EE9C9A3EN.html>