

Global AI-Powered Surgical Assistance Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global AI-Powered Surgical Assistance market size was valued at US\$ 7157 million in 2025 and is forecast to a readjusted size of US\$ 23510 million by 2032 with a CAGR of 18.5% during review period.

In 2025, global AI-Powered Surgical Assistance production reached approximately 5000 units, with an average global market price of around US\$ 1.5 million per unit. Monthly production capacity is 6 per line. Gross Profit Margin: 48%. The AI-powered surgical assistance industry chain spans robotics and AI component suppliers, system manufacturers/integrators, and hospitals or surgical centers, supported by training, maintenance, and software services. AI-powered surgical assistance represents a transformative advancement in healthcare, enhancing surgical precision, reducing human error, and enabling more complex procedures with improved patient outcomes, while also driving efficiency and supporting surgeons with real-time, data-driven insights.

This report is a detailed and comprehensive analysis for global AI-Powered Surgical Assistance market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global AI-Powered Surgical Assistance Market 2026 by Manufacturers, Regions, Type and Application, Forecast to...

Global AI-Powered Surgical Assistance market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global AI-Powered Surgical Assistance market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global AI-Powered Surgical Assistance market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global AI-Powered Surgical Assistance market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for AI-Powered Surgical Assistance
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global AI-Powered Surgical Assistance market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intuitive Surgical, Inc., Medtronic plc, Stryker Corporation, Zimmer Biomet Holdings, Inc., Smith+Nephew plc, CMR Surgical Ltd., Asensus Surgical, Inc., Auris Health, Inc., Titan Medical Inc., Medrobotics Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

AI-Powered Surgical Assistance market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and

value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Preoperative Planning & Simulation

Real-Time Navigation & Guidance

Instrument Control & Automation

Postoperative Outcome Analysis

Market segment by Robot Configuration

Multi-Arm Surgical Robots

Single-Arm Robotic Assistants

Modular / Compact Systems

Endoscopic Robotic Systems

Market segment by Application

General Surgery

Orthopedic Surgery

Neurosurgery

Cardiovascular Surgery

Gynecology

Others

Major players covered

Intuitive Surgical, Inc.

Medtronic plc

Stryker Corporation

Zimmer Biomet Holdings, Inc.

Smith+Nephew plc

CMR Surgical Ltd.

Asensus Surgical, Inc.

Auris Health, Inc.

Titan Medical Inc.

Medrobotics Corporation

Accuray Incorporated

TransEnterix

Moon Surgical

Procept BioRobotics

Renishaw plc

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East)

& Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe AI-Powered Surgical Assistance product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI-Powered Surgical Assistance, with price, sales quantity, revenue, and global market share of AI-Powered Surgical Assistance from 2021 to 2026.

Chapter 3, the AI-Powered Surgical Assistance competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI-Powered Surgical Assistance breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and AI-Powered Surgical Assistance market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of AI-Powered Surgical Assistance.

Chapter 14 and 15, to describe AI-Powered Surgical Assistance sales channel, distributors, customers, research findings and conclusion.

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