

# Global AI-Powered Surgical Assistance Market Growth 2026-2032

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## Abstracts

The global AI-Powered Surgical Assistance market size is predicted to grow from US\$ 6804 million in 2025 to US\$ 23686 million in 2032; it is expected to grow at a CAGR of 19.6% from 2026 to 2032.

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.

United States market for AI-Powered Surgical Assistance is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for AI-Powered Surgical Assistance is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for AI-Powered Surgical Assistance is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key AI-Powered Surgical Assistance players cover Intuitive Surgical, Inc., Medtronic plc, Stryker Corporation, Zimmer Biomet Holdings, Inc., Smith+Nephew plc,

etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “AI-Powered Surgical Assistance Industry Forecast” looks at past sales and reviews total world AI-Powered Surgical Assistance sales in 2025, providing a comprehensive analysis by region and market sector of projected AI-Powered Surgical Assistance sales for 2026 through 2032. With AI-Powered Surgical Assistance sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AI-Powered Surgical Assistance industry.

This Insight Report provides a comprehensive analysis of the global AI-Powered Surgical Assistance landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on AI-Powered Surgical Assistance portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AI-Powered Surgical Assistance market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI-Powered Surgical Assistance and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI-Powered Surgical Assistance.

This report presents a comprehensive overview, market shares, and growth opportunities of AI-Powered Surgical Assistance market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Preoperative Planning & Simulation

Real-Time Navigation & Guidance

Instrument Control & Automation

## Postoperative Outcome Analysis

### Segmentation by Robot Configuration:

Multi-Arm Surgical Robots

Single-Arm Robotic Assistants

Modular / Compact Systems

Endoscopic Robotic Systems

### Segmentation by Application:

General Surgery

Orthopedic Surgery

Neurosurgery

Cardiovascular Surgery

Gynecology

Others

### This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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

Key Questions Addressed in this Report

What is the 10-year outlook for the global AI-Powered Surgical Assistance market?

What factors are driving AI-Powered Surgical Assistance market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do AI-Powered Surgical Assistance market opportunities vary by end market size?

How does AI-Powered Surgical Assistance break out by Type, by Application?

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