

# Global Robot-Assisted Joint Replacement Surgery Supply, Demand and Key Producers, 2024-2030

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## Abstracts

The global Robot-Assisted Joint Replacement Surgery market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

The market for robotic orthopedic surgery is witnessing significant growth, driven by advancements in robotic technology and a growing demand for minimally invasive surgical procedures in orthopedics. Robotic systems, such as robotic-assisted surgical platforms, offer enhanced precision, control, and visualization for orthopedic procedures, contributing to improved patient outcomes and faster recovery times. The market is characterized by the adoption of robotic systems in joint replacement surgeries, spine surgery, and trauma procedures. As the technology continues to evolve, future developments are expected to focus on expanding the range of orthopedic procedures that can benefit from robotic assistance, refining robotic interfaces and instrumentation, and incorporating artificial intelligence for real-time decision support during surgeries. The increasing aging population and rising prevalence of orthopedic conditions are anticipated to drive sustained growth in the market, with a continued emphasis on improving surgical accuracy and patient satisfaction.

Robot-assisted joint replacement surgery is an advanced medical procedure that combines robotic technology with orthopedic surgery to enhance precision and outcomes in joint replacement procedures. Typically used for knee and hip replacements, this surgical approach involves a robotic system working in collaboration with the surgeon. The technology allows for precise preoperative planning, threedimensional mapping of the patient's anatomy, and real-time adjustments during the surgery. The surgeon controls the robotic system, which assists in tasks like bone



preparation and implant placement, ensuring a higher level of accuracy and alignment. This technology aims to improve the overall success rate of joint replacement surgeries, reduce complications, and facilitate faster recovery for patients undergoing these orthopedic procedures.

This report studies the global Robot-Assisted Joint Replacement Surgery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Robot-Assisted Joint Replacement Surgery, and provides market size (US\$ million) and Yearover-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Robot-Assisted Joint Replacement Surgery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Robot-Assisted Joint Replacement Surgery total production and demand, 2019-2030, (K Units)

Global Robot-Assisted Joint Replacement Surgery total production value, 2019-2030, (USD Million)

Global Robot-Assisted Joint Replacement Surgery production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Robot-Assisted Joint Replacement Surgery consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Robot-Assisted Joint Replacement Surgery domestic production, consumption, key domestic manufacturers and share

Global Robot-Assisted Joint Replacement Surgery production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Robot-Assisted Joint Replacement Surgery production by Number of Cells, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Robot-Assisted Joint Replacement Surgery production by Application production,



value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Robot-Assisted Joint Replacement Surgery market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Stryker, Zimmer Biomet, Smith & Nephew, Johnson & Johnson, Corin Group, THINK Surgical, Monogram Orthopaedics, Curexo Technology and TINAVI, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Robot-Assisted Joint Replacement Surgery market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Number of Cells, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Robot-Assisted Joint Replacement Surgery Market, By Region:

United States China Europe Japan South Korea ASEAN India



Rest of World

Global Robot-Assisted Joint Replacement Surgery Market, Segmentation by Number of Cells

Semi-automatic System

Fully Automatic System

Global Robot-Assisted Joint Replacement Surgery Market, Segmentation by Application

Knee Replacements

**Hip Replacements** 

**Companies Profiled:** 

Stryker

Zimmer Biomet

Smith & Nephew

Johnson & Johnson

Corin Group

**THINK Surgical** 

**Monogram Orthopaedics** 

Curexo Technology

TINAVI

**MicroPort Scientific** 

Global Robot-Assisted Joint Replacement Surgery Supply, Demand and Key Producers, 2024-2030



YuanHua Tech

Hangzhou Jianjia robot

HURWA

FUTURTEC

Key Questions Answered

1. How big is the global Robot-Assisted Joint Replacement Surgery market?

2. What is the demand of the global Robot-Assisted Joint Replacement Surgery market?

3. What is the year over year growth of the global Robot-Assisted Joint Replacement Surgery market?

4. What is the production and production value of the global Robot-Assisted Joint Replacement Surgery market?

5. Who are the key producers in the global Robot-Assisted Joint Replacement Surgery market?



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