

Minimally Invasive Surgery Market by Product (Robotics, Imaging, Instrument (Handheld, inflation, Guiding, electrosurgery, endoscopy)), Application (CVD, thoracic, neuro, ENT, OB/GYN, orthopedic), Enduser - Global Forecast to 2029

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Abstracts

The global minimally invasive surgery market is projected to reach USD 74.6 billion by 2029 from USD 34.0 billion in 2024, growing at a CAGR of 17.0% during the forecast period. The projected surge in market growth for minimally invasive surgery is underpinned by a confluence of advantages. Minimally invasive surgery are driven by an aging population, rising adoption of MIS over open surgeries, and an increasing numbers of hospitals with the increase in the number of surgical procedures. Furthermore, the increasing incidences of chronic disorders with improved efficacy for early diagnosis through imaging and visualization systems and treatment amplifies the demand for advanced modalities, with minimally invasive surgery. These factors are poised to create the phase of robust expansion within the market, consequently shaping the minimally invasive surgery adoption in the coming forecasting years.

“Cardio-thoracic surgery segment to register largest market share in 2023-2029.”

Based on the application, the minimally invasive surgery market is segmented into cardiothoracic, vascular urology, neurological surgeries, ENT & Respiratory surgery, Cosmetic surgery, Gastrointestinal & Abdominal surgery, Gynecological surgery, Orthopedic, Oncology, Dental and other surgery. The cardio-thoracic surgery segment registered the largest market share over the forecast period of 2023-2029. The growth of this segment is due to the continuous innovation in surgical techniques, instruments, and imaging technology enhances the feasibility and safety of minimally invasive approaches in cardio-thoracic surgery. As medical practitioners gain proficiency in MIS

techniques, they demonstrate greater confidence in employing these methods for complex cardio-thoracic procedures. Moreover, evolving healthcare policies and reimbursement structures that promote cost-effective and efficient treatment pathways further incentivize the integration of MIS into cardio-thoracic surgery practices.

“Hospitals, Clinics & Ablation centers segment held the largest share of minimally invasive surgery market in 2023, by End-user.”

Based on the end-user, the minimally invasive surgery market is segmented into Hospitals, clinics & ablations centers, Ambulatory surgical centers and orthopedic, emergency and trauma centers. In 2023, the hospitals, clinics & ablation centers segment accounted for the largest share of the global minimally invasive surgery market. The growth of this segment is being propelled by factors including a significant portion of less invasive surgeries, ranging from routine procedures to complex interventions, adoption of advanced MIS technologies, and shaping trends with their clinical practices.

“Asia Pacific to register significant growth rate in the market during the forecast period.”

For the forecasting period 2024-2024, the APAC region is expected to register a significant growth rate during the forecast period. Asia Pacific comprises India, China, Japan, Australia, South Korea, and RoAPAC. The Asia-Pacific (APAC) region has witnessed a significant increase in the market growth rate for minimally invasive surgery. There are several drivers that contributed to this growth:

The Asia Pacific market is experiencing growth due to rising investments by government organisations in emerging countries aimed at enhancing healthcare infrastructure. Additionally, the market is benefiting from the rise in independent orthopedic, emergency and trauma centers, a substantial aging patient population, and strategic initiatives by industry players to expand their offerings of MIS products in the Asia Pacific region.

A breakdown of the primary participants referred to for this report is provided below:

By Company Type: Tier 1–40%, Tier 2–30%, and Tier 3– 30%

By Designation: C-level-- 27%, Director-level–18%, and Others–55%

By Region: North America–50%, Europe-20%, Asia Pacific–15%, Latin

America—10%, and the Middle East & Africa—5%

Prominent players in this market are Medtronic (Ireland), Johnson & Johnson (US), Stryker Corporation (US), Boston Scientific Corporation (US), among others.

Research Coverage

The report studies the minimally invasive surgery market based on products, application, end user, and region.

The report analyzes factors (such as drivers, restraints, opportunities, and challenges) affecting the market growth.

The report evaluates the opportunities and challenges in the market for stakeholders and provides details of the competitive landscape for market leaders.

The report studies micro markets with respect to their growth trends, prospects, and contributions to the global minimally invasive surgery market

The report forecasts the revenue of market segments with respect to five major regions.

Key Benefits of Buying the Report:

The report will help the new entrants/ market leaders/smaller firms in this market with investment evaluation viability within the minimally invasive surgery market through a thorough analysis of comprehensive data, thereby facilitating robust risk assessment and enabling well-informed investment determinations. Benefit from meticulous market segmentation encompassing application, end-user, and regional dimensions, affording tailored insights for precise segment targeting. The report also provides an all-encompassing evaluation of encapsulating pivotal trends, challenges, growth catalysts and prospects, thereby empowering strategic decision-making with astute discernment.

The report provides insights on the following pointers:

Analysis of key drivers (increasing prevalence of chronic disorder diseases,

Increasing number of hospitals coupled with increasing number of surgical procedures worldwide, adoption of MIS over open surgeries), restraints (changing regulatory landscape in medical device industry and high cost of robotic systems), opportunities (increasing adoption of advanced robotics in ASCs, Emerging markets offers high-growth opportunities), and challenges (High degree of market consolidation) influencing the growth of the minimally invasive surgery market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the minimally invasive surgery market.

Market Development: Comprehensive information about lucrative markets – the report analyses the minimally invasive surgery market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the minimally invasive surgery market

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Medtronic (Ireland), Johnson & Johnson (US), Stryker Corporation (US), Boston Scientific Corporation (US), among others.

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