South Korea Minimally Invasive Surgery Devices Market Report by Product (Handheld Instruments, Guiding Devices, Electrosurgical Devices, Endoscopic Devices, Laparoscopic Devices, Monitoring and Visualization Devices, Robotic Assisted Surgical Systems, Ablation Devices, Laser Based Devices, and Others), Application (Aesthetic, Cardiovascular, Gastrointestinal, Gynecological, Orthopedic, Urological, and Others), and Region 2026-2034

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Abstracts

South Korea minimally invasive surgery devices market size reached USD 655.2 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 1,463.5 Million by 2034, exhibiting a growth rate (CAGR) of 9.34% during 2026-2034 . Continual technological advancements in medical technology, the rising demand for various types of surgeries, the growing geriatric population more susceptible to risks associated with traditional open surgeries, and the growing awareness among patients and healthcare providers represent some of the key factors driving the market.

Minimally invasive surgery devices are specialized medical instruments designed to facilitate surgical procedures that involve smaller incisions, less trauma, and quicker recovery times compared to traditional open surgery. These devices encompass a wide range of tools, including laparoscopes, endoscopes, trocars, and robotic surgical systems. By using these advanced instruments, surgeons can perform various types of surgeries, such as laparoscopic cholecystectomy, endovascular aneurysm repair, and arthroscopy, with reduced risks and improved outcomes. The two primary aspects of minimally invasive surgery devices are precision and control. The technology behind

+357 96 030922
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these devices allows for greater surgical accuracy, thereby minimizing the risk of damaging healthy tissues. They often feature real-time imaging systems, articulating instruments, and remote-controlled functionalities, enabling surgeons to operate with increased precision. One of the significant advantages of minimally invasive surgery devices is reduced postoperative pain and quicker recovery times. Patients often experience less scarring and a reduced risk of infection, as the smaller incisions heal more quickly than larger ones made in traditional surgeries. Additionally, the use of these devices often results in shorter hospital stays, translating to lower healthcare costs overall.

SOUTH KOREA MINIMALLY INVASIVE SURGERY DEVICES MARKET TRENDS:

The market in South Korea is majorly driven by the rapid advancement in medical technology, which includes cutting-edge laparoscopic instruments, endoscopes, and robotic-assisted surgical systems. This technological innovation aligns with South Korea's broader ambitions to be a global leader in the medical devices sector. Another contributing factor is the growing geriatric population in the country, which is leading to a rise in the demand for various types of surgeries, particularly those that are less invasive and offer faster recovery. Along with this, minimally invasive surgeries are increasingly being viewed as an optimal choice for the elderly, who are more susceptible to risks associated with traditional open surgeries. In addition, the growing awareness among patients and healthcare providers about the benefits of minimally invasive procedures is also stimulating market growth. These procedures ensure less postoperative pain and considerably lower the risk of infection and scarring, resulting in shorter hospital stays and, consequently, reduced healthcare costs. Moreover, economic factors are also at play. South Korea's strong healthcare infrastructure and increased healthcare expenditure provide a fertile ground for the adoption of advanced surgical devices. Apart from this, initiatives by the South Korean government to support research and development in the medical field are further propelling market growth. Furthermore, environmental considerations are becoming increasingly important. The trend toward the use of eco-friendly, biocompatible materials in medical devices aligns well with global sustainability goals and is creating a positive market outlook.

SOUTH KOREA MINIMALLY INVASIVE SURGERY DEVICES MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country level for 2026-2034. Our report has categorized the market based on product and application.

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Product Insights:

- Handheld Instruments
- Guiding Devices
- Electrosurgical Devices
- Endoscopic Devices
- Laparoscopic Devices
- Monitoring and Visualization Devices
- Robotic Assisted Surgical Systems
- Ablation Devices
- Laser Based Devices
- Others

The report has provided a detailed breakup and analysis of the market based on the product. This includes handheld instruments, guiding devices, electrosurgical devices, endoscopic devices, laparoscopic devices, monitoring and visualization devices, robotic assisted surgical systems, ablation devices, laser based devices, and others.

Application Insights:

- Aesthetic
- Cardiovascular
- Gastrointestinal
- Gynecological

Orthopedic

Urological

Others

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes aesthetic, cardiovascular, gastrointestinal, gynecological, orthopedic, urological, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and Others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape in the market. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea minimally invasive surgery devices market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the South Korea minimally invasive surgery devices market?

What is the breakup of the South Korea minimally invasive surgery devices market on the basis of product?

What is the breakup of the South Korea minimally invasive surgery devices market on the basis of application?

What are the various stages in the value chain of the South Korea minimally invasive surgery devices market?

What are the key driving factors and challenges in the South Korea minimally invasive surgery devices?

What is the structure of the South Korea minimally invasive surgery devices market and who are the key players?

What is the degree of competition in the South Korea minimally invasive surgery devices market?

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