

## **Minimally Invasive Spine Surgery Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

Market Report | 2025-07-29 | 170 pages | Global Market Insights

### **AVAILABLE LICENSES:**

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### **Report description:**

The Global Minimally Invasive Spine Surgery Devices Market was valued at USD 1.38 billion in 2024 and is estimated to grow at a CAGR of 5.1% to reach USD 2.22 billion by 2034. The growing preference for minimally invasive spine surgery devices is fueled by the advantages of smaller incisions, shorter hospital stays, and quicker recovery periods. These procedures are less painful and reduce scarring, making them increasingly favored by patients. Advances in medical imaging and navigation technology have enhanced surgical accuracy, contributing to safer procedures and wider adoption.

As demand for minimally invasive spinal surgeries increases, the market continues to grow, supported by an aging population and rising spinal disorders. Aging populations worldwide are experiencing higher incidences of conditions like degenerative disc disease, spinal stenosis, and herniated discs, which often require surgical intervention. Additionally, lifestyle factors such as sedentary habits and increased physical strain contribute to the prevalence of spinal issues across all age groups. With patients and healthcare providers recognizing the benefits of minimally invasive techniques—such as reduced trauma, less blood loss, and quicker rehabilitation—the preference for these procedures is steadily climbing. Furthermore, advancements in surgical technology and growing access to high-quality healthcare facilities in emerging regions are broadening the patient base. As awareness improves and insurance coverage expands for these procedures, the market is expected to accelerate further, driven by both demographic shifts and medical innovations. This trend underscores a sustained demand for devices that facilitate safer, more efficient spinal surgeries.

In 2024, implants and instrumentation segment accounted for 71.8% share, driven by the increasing use of advanced spinal fixation systems and implants designed to improve surgical precision and patient recovery. Surgeons prefer these devices due to their ability to enhance stability, reduce intraoperative complications, and support quicker healing. The growing integration of navigation-assisted instruments, interbody cages, and robotic-assisted technologies is also boosting the adoption of this segment. The fusion surgery segment held 66.3% share in 2024, propelled by the rising prevalence of degenerative disc diseases, spinal stenosis, and spondylolisthesis, which require spinal stabilization. Minimally invasive fusion techniques are gaining popularity among patients and surgeons alike because they minimize tissue damage and accelerate recovery. Innovations in fusion devices, including better bone graft materials and enhanced interbody cages, have significantly improved surgical success rates and

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broadened their use across outpatient and hospital environments.

North America Minimally Invasive Spine Surgery Devices Market held 35.3% share in 2024, owing to its robust healthcare infrastructure that encourages swift adoption of cutting-edge surgical methods and devices. High patient and physician awareness regarding the benefits of minimally invasive procedures fuels demand. Furthermore, the region's concentration of key medical device manufacturers fosters ongoing innovation and ensures wide product availability.

Notable companies operating in the Minimally Invasive Spine Surgery Devices Market include Heraeus, Orthofix Medical, Globus Medical, SI-BONE, Invibio, Wenzel Spine, Xenco Medical, Matexcel, Premia Spine, B. Braun, Medtronic, DePuy Synthes (Johnson & Johnson), Spinal Elements, Nexus Spine, Stryker, Zimmer Biomet, NuVasive, and Evonik. Companies in the Minimally Invasive Spine Surgery Devices Market strengthen their foothold by focusing on continuous innovation and expanding their product portfolios with advanced implants, navigation tools, and robotic-assisted solutions. Strategic collaborations with hospitals and research institutions help improve device efficacy and surgeon training. Many firms invest heavily in R&D to develop patient-centric solutions that enhance surgical outcomes and reduce complications. Expanding geographic reach, particularly into emerging markets, is also a priority to tap into growing demand.

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## Comprehensive Market Analysis and Forecast

- Industry trends, key growth drivers, challenges, future opportunities, and regulatory landscape
- Competitive landscape with Porter's Five Forces and PESTEL analysis
- Market size, segmentation, and regional forecasts
- In-depth company profiles, business strategies, financial insights, and SWOT analysis

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