

Motion Preservation Devices Market Report by Product (Dynamic Stabilization Devices, Artificial Discs Replacement Devices, Annulus Repair Devices, Nuclear Disc Prostheses Devices), Surgery (Open Spine Surgery, Minimally Invasive Spine Surgery), End User (Hospitals, Orthopedic Clinics, Ambulatory Surgical Centers (ASCs), and Others), and Region 2025-2033

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Report description:

The global motion preservation devices market size reached USD 1.9 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 3.0 Billion by 2033, exhibiting a growth rate (CAGR) of 5.1% during 2025-2033.

Motion preservation devices are utilized in the treatment of several spine conditions without fusion. They provide stabilization and eliminate pain while preserving the motion of the functional spinal unit. They mainly comprise total disc replacement (TDR), prosthetic nucleus replacement, posterior dynamic devices, and facet replacement, which are used for different purposes. For example, TDRs find application in the complete removal of the disc, while prosthetic nucleus replacements necessitate evacuation of the nucleus pulposus through an annulotomy. Nowadays, a shift towards motion-sparing technology over fusion-type procedures is resulting in the increasing development of innovative motion-preserving devices.

Motion Preservation Devices Market Trends:

A wide variety of motion preservation devices are used as treatment alternatives or adjuncts for patients suffering from pain and loss of function caused by back issues. This, in confluence with the rising prevalence of spine problems on account of smoking, obesity, and sedentary lifestyles, represents one of the major factors driving the market. In addition, the growing geriatric population is resulting in a significant increase in the number of surgeries utilized for treating symptoms of lumbar spinal stenosis, degenerative disc disease, and facet pain from osteoarthritis. This is positively influencing the demand for motion preservation

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devices across the globe. Apart from this, several leading companies are introducing next-generation devices with advanced technology, which is creating a positive outlook for the market. For instance, Aesculap, Inc., a US-based healthcare company, launched the activL artificial disc with intelligent motion technology. It is a third-generation motion preservation device for degenerative disc disease (DDD) patients, which resembles the natural biomechanics of the healthy human spine and significantly reduces the impact on adjacent level anatomy.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global motion preservation devices market report, along with forecasts at the global, regional and country level from 2025-2033. Our report has categorized the market based on product, surgery, and end user.

Breakup by Product:

- Dynamic Stabilization Devices
 - o□ Interspinous Process Spacers
 - o□ Pedicle Screw-Based Systems
 - o□ Facet Replacement Products
- Artificial Discs Replacement Devices
 - o□ Artificial Cervical Discs
 - o□ Artificial Lumbar Discs
- Annulus Repair Devices
- Nuclear Disc Prostheses Devices

Breakup by Surgery:

- Open Spine Surgery
- Minimally Invasive Spine Surgery

Breakup by End User:

- Hospitals
- Orthopedic Clinics
- Ambulatory Surgical Centers (ASCs)
- Others

Breakup by Region:

- North America
 - o□ United States
 - o□ Canada
- Asia-Pacific
 - o□ China
 - o□ Japan
 - o□ India
 - o□ South Korea
 - o□ Australia
 - o□ Indonesia
 - o□ Others
- Europe
 - o□ Germany
 - o□ France
 - o□ United Kingdom

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- o Italy
- o Spain
- o Russia
- o Others
- Latin America
- o Brazil
- o Mexico
- o Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Aurora Spine Inc, B. Braun Melsungen AG, Globus Medical, HPI Implants, Johnson & Johnson Private Limited, Medtronic, NuVasive Inc., Orthofix Medical Inc, Surgalign, ulrich GmbH & Company KG, and Zimmer Biomet.

Key Questions Answered in This Report

1. What was the size of the global motion preservation devices market in 2024?
2. What is the expected growth rate of the global motion preservation devices market during 2025-2033?
3. What are the key factors driving the global motion preservation devices market?
4. What has been the impact of COVID-19 on the global motion preservation devices market?
5. What is the breakup of the global motion preservation devices market based on the product?
6. What is the breakup of the global motion preservation devices market based on the surgery?
7. What is the breakup of the global motion preservation devices market based on the end user?
8. What are the key regions in the global motion preservation devices market?
9. Who are the key players/companies in the global motion preservation devices market?

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