

Spinal Implant Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F

Segmented By Product Type (Artificial Discs, Dynamic Stabilization Devices, Spinal Fusion Implants, Others), By Application (Cervical, Thoracic, Lumbar), By Material (Stainless Steel, Titanium, Cobalt Chrome, Polyetheretherketone (PEEK), Others), By Surgery (Open Surgery, Minimally Invasive Surgery), By Indication (Spinal Trauma, Deformity), By Region and Competition

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Abstracts

Global Spinal Implant market is anticipated to witness impressive growth during the forecast period. This can be ascribed to the high demand owing to the deteriorating condition of patients due to bad posture, lifestyle changes, and lack of exercise and flexibility, amongst others, across the globe. Additionally, the growing incidence of spinal disorders such as tumors, hematoma, vertebral fractures, degenerative disc diseases, spinal stenosis, etc., is expected to create significant growth during the forecast period. Similarly, growing investment by government organizations in the research and development of spinal disorders for developing new therapy and devices will further drive the growth of the market during the forecast period. According to Clinicaltrials.gov, 987 studies have been found for the spinal implant, and among these studies, 139 studies have been found related to child spinal implants. Also, the use of bioabsorbable spinal implants is most important for spinal reconstructive procedures with better image assessment and fusion healing properties, which will further drive the growth of the market over the years. According to the World Health Organization (WHO)

data, approximately 250,000 and 500,000 Spinal Cord Injury cases occur every year across the world.

The Rise in Incidence of Traumatic Fractures

Growing incidence of traffic accidents, sports injuries, or any other accidental falls will further boost the market growth during the forecast period. According to the National Center for Biotechnology Information (NCBI), the lumbosacral spine is the most common region which is affected due to car accidents. This, in turn, is expected to enhance the demand for spinal implants, which will boost the market growth over the years. According to the NCBI, approximately 75% of SCI cases due to falls occur in people aged 76 and older. The growing incidence of spinal disorders due to current demographic changes, such as the growing aging population, and lifestyle-related factors, such as increasing back problems, will propel the growth of the market growth during the forecast period. Additionally, burgeoning demand for minimally invasive spinal surgical procedures owing to the advantages such as smaller incisions, less muscle damage, decreased blood loss, and length of hospital stay following surgery in comparison to the standard operating procedure will also contribute to the global spinal implant market growth during the forecast period. According to the National Spinal Cord Injury Statistical Center 2018, the annual incidence of spinal cord injury (SCI) is approximately 54 cases per one million or about 17,700 new SCI cases each year in the United States.

Growing Demand for Advanced Technologies

The market is propelling due to the growing demand for advanced technologies by major players acquiring potential start-ups and mid-sized players to increase their dominance in the industry during the forecast period. Moreover, product approvals in developing regions will further contribute to the growth of the global spinal implant market during the forecast periods. For instance, in August 2020, Orion Biotech Inc. got approval from the U.S. FDA for the development of a Thoracolumbosacral Pedicle Screw intended to provide a posterior, non-cervical immobilization and stabilization of spinal implantation for mature patients. Similarly, the development of efficient growth-sparing devices which are specifically designed for newborns will further drive the growth of the market over the years. According to a study by the National Library of Medicine, over 266 million individuals are diagnosed with lumbar degenerative spine disease (DSD) yearly. This huge population with spine disorders demands interbody spine implants, which will propel the market.

Market Segmentation

The global spinal implants market can be segmented by product type, application, material, surgery, indication, region, and competitive landscape. Based on the product type, the market can be segmented into Artificial Discs, Dynamic Stabilization Devices, Spinal Fusion Implants, and Others. Based on application, the market can be segmented into Cervical, Thoracic, and Lumbar. Based on the material, the market can be differentiated into Stainless Steel, Titanium, Cobalt Chrome, Polyetheretherketone (PEEK), and Others. Based on surgery, the market can be divided into Open Surgery, Minimally Invasive. Based on indication, the market can be divided into Spinal Trauma, Deformity. Regionally, North America dominated the market amongst Asia Pacific, Europe, Middle East & Africa, and South America. Among different countries, the United States dominates the global spinal implant market on account of the increasing incidence of spinal disorders in the country.

Recent Development

In August 2021, Aurora Spine Corporation received FDA 510(k) clearance for DEXA-C Cervical Interbody System.

In August 2021, Camber Spine received FDA 510(k) clearance for both its SPIRA-P Posterior Lumbar Spacer technology and SPIRA-T Oblique Posterior Lumbar Spacer technologies.

In October 2020, Medtronic launched Adaptix Interbody System, a navigated titanium implant with Titan nanoLOCK surface technology, a blend of surface textures on the macro, micro, and nano levels.

Market Players

Medtronic Plc, Johnson & Johnson, Zimmer Biomet, Inc, Stryker Corporation, NuVasive, Inc., Alphatec Holdings, Inc., Surgalign Holdings, Inc., B. Braun Melsungen AG, SeaSpine Holdings Corporation, Globus Medical Inc. are some of the leading players operating in the Global Spinal Implant Market.

Report Scope:

In this report, the global spinal implants market has been segmented into the following

categories, in addition to the industry trends, which have also been detailed below:

Spinal Implants Market, By Product Type:

Artificial Discs

Dynamic Stabilization Devices

Spinal Fusion Implants

Others

Spinal Implants Market, By Application:

Cervical

Thoracic

Lumber

Spinal Implants Market, By Material:

Stainless Steel

Titanium

Cobalt Chrome

Polyetheretherketone (PEEK)

Others

Spinal Implants Market, By Surgery:

Open Surgery

Minimally Invasive Surgery

Spinal Implants Market, By Indication:

Spinal Trauma

Deformity

Spinal Implants Market, By Region:

North America

United States

Canada

Mexico

Europe

France

Germany

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Spinal Implant Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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