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Spinal Implant and Devices Market by Type (Spinal Fusion Implants, Spinal Bone Stimulators, Vertebral Compression Fracture (VCF) Devices, Motion Preservation Devices, and Spine Biologics) and Surgery (Open Spine Surgery and Minimally Invasive Spine Surgery): Global Opportunity Analysis and Industry Forecast 2020–2027

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Abstracts

The global spinal implants and devices market was valued at $11,356.59 million in 2019 and is projected to reach $15,054.07 million by 2027 at a CAGR of 5.7% from 2020 to 2027.

Spine-related disorders and deformities are treated using spinal implants and devices. Disorders such as spinal stenosis and lumbar degenerative spondylolisthesis are caused from degeneration of intervertebral disc, deformity, tumors, and trauma. In addition, implant systems utilize specially designed spinal instrumentation such as plates, rods, and screws, which help to facilitate fusion, correct deformities, and stabilize and strengthen the spine. Most spinal implants are made of metals such as titanium and are available in different shapes and sizes to be used in patients of all ages.

The market is driven by shift toward minimally invasive spine procedure. Growth in elderly population and rise in incidences of spinal disorders attributed to sedentary lifestyle is expected to drive the market growth. In addition, advancements in spine surgeries and new product launches further fuel the market. However, stringent regulatory approval procedures, present pandemic situation and unfavorable reimbursement scenario are expected to hamper growth of the spinal implant and devices market. Moreover, emerging markets are expected to drive demand for spinal

implants and devices and advancements in augmented and virtual reality, endoscopic surgery and 3D printed implants for minimally invasive surgery are also expected to fuel the market growth.

The report segments the spinal implants and devices market on the basis of type, surgery, and region. According to the product type, it is segmented into spinal fusion implants, motion preservation devices, vertebral compression fracture (VCF) devices, spine bone stimulators and spine biologics. By surgery type, it is bifurcated into open spine surgery and minimally invasive spine surgery. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Over the past few years, key players have adopted product development such as product launches, approvals, and clinical trials as their key strategies. For instance, in September 2019, J&J launched a 3D Printed Implant Portfolio (CONDUIT Interbody Platform with EIT Cellular Titanium Technology) for spine surgery to expand comprehensive offering to treat degenerative spine disease. Moreover, in February 2019, Orthofix received US Food and Drug Administration (FDA) approval for M6-C artificial cervical disc (Orthofix Medical) for patients suffering from cervical disc degeneration. This artificial disc was developed by Spinal Kinetics.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global spinal implants and devices market with current trends and future estimations from 2019 to 2027 to elucidate the imminent investment pockets.

Comprehensive analysis of factors that drive and restrict the market growth is provided.

Identification of factors instrumental in changing the market scenario, rise in opportunities, and identification of key companies that can influence this market on a global & regional scale are provided.

Key players are profiled, and their strategies are analyzed thoroughly to understand the competitive outlook of the market.

Key Market Segments

By Type

- Spinal Fusion Implants
  - Thoracolumbar Devices
    - Anterior Lumbar Plates
    - Lumbar Plates
    - Pedicle Screw
    - Rods
    - Hooks
    - Wires & Cables
    - Crosslinks
  - Cervical Fixation Devices
    - Anterior Cervical Plates
    - Hook Fixation Systems
    - Plates & Screws
    - Clamps
    - Wires
  - Interbody Fusion Devices
    - Non-Bone Interbody Fusion Devices
    - Bone Interbody Fusion Devices

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Vertebral Compression Fracture (VCF) Devices

Balloon Kyphoplasty Devices

Vertebroplasty Devices

Motion Preservation Devices

Dynamic Stabilization Devices

Interspinous Process Spacers

Pedicle Screw-Based Systems

Facet Replacement Products

Artificial Discs

Artificial Cervical Discs

Artificial Lumbar Discs

Annulus Repair Devices

Nuclear Disc Prostheses

Spine bone stimulators

Non-Invasive Spine Bone Stimulators

Pulsed Electromagnetic Field Device

Capacitive Coupling (CC) and Combined (Electro) Magnetic Field (CMF) Devices

Invasive Spine Bone Stimulators

Spine Biologics

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Spinal Allografts

Machined Bones Allograft

Demineralized Bone Matrix

Bone Graft Substitutes

Bone Morphogenetic Proteins

Synthetic Bone Grafts

Cell-Based Matrix

By Surgery

Open Spine Surgery

Minimally Invasive Spine Surgery

By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

List of key players profiled in the report

Alphatec Holdings, Inc.

B. Braun Melsungen AG

Exactech, Inc.

Johnson & Johnson (DePuy Synthes)

Globus Medical, Inc.

Medtronic plc

Nuvasive, Inc.

Orthofix International N.V.

Stryker Corporation

Zimmer Biomet Holdings, Inc.

List of the other key players (not included in the report) includes Aesculap Implant Systems, Aspen Medical Products, Amedica Corp., Camber Spine Technologies, Paragon Medical, Inc., Norman Noble, Inc., Nutech, Titan Spine, Wenzel Spine, Inc., X-spine Systems, Inc., Tecomet, Inc., Marox Corporation, Axial Medical, Spine Wave, Inc., K2M, Inc., and Captiva Spine, LLC.

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