

# Global Artificial Disc Market: Market Estimation, Dynamics, Regional Share, Trends, Competitor Analysis 2012 to 2016 and Forecast 2017 to 2023

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## Abstracts

### Artificial Disc Market

The disc is a soft cushioning like structure located in between the bones of the spine, known as “vertebra.” The disc is made up of cartilage-like tissue and contains an inner portion, nucleus, and an outer portion called as annulus. In majority cases, the disc is flexible enough to allow the spine to bend. Artificial discs are synthetic replacements for damaged intervertebral discs present in the lumbar and cervical regions of the spine. In artificial disc surgery, worn or damaged disk material between the small bones in the spine (vertebrae) is removed and replaced with a synthetic or “artificial” disc. Artificial disc surgery is performed on the lower back or lumbar spine and the neck or cervical spine. The artificial discs are designed with the goal of resembling the form and function of the spine’s natural disc.

The artificial disc replacement market is expected to witness robust CAGR due to increase in the prevalence of osteoporosis and surge in global geriatric population. Rise in the incidence and prevalence of degenerative diseases and increase in the demand for minimally invasive surgeries, less re-operation rate, and better clinical trial results might fuel the global artificial disc market growth over the forecast period. Furthermore, new product innovation, technological development for new products, an increase in R&D activities for multi-level artificial disc might boost the artificial disc market over the forecast period. However, high procedure cost, stringent regulatory policies, expensive devices, and unfavourable reimbursement policies might hamper the growth of artificial disc market over the forecast period.

The global artificial disc market is segmented on the basis of product type, material

type, and end user

Based on product type, the artificial disc market has been segmented into following:

Cervical disc

Lumbar disc

Based on the material type, the artificial disc market has been segmented into following:

Metal on metal

Metal on the biopolymer

Based on the end user, the artificial disc market has been segmented into following:

Hospitals

Orthopaedic Clinics

Ambulatory surgical centers

The global artificial disc market is in developing stage. Launch of new products, technological development, collaborations, acquisitions, and mergers are the key strategies followed by various medical device companies to increase revenue share in the global artificial disc market. For instance, in 2013, Zimmer Biotech acquired LDR holdings to launch Mobi-C in the U.S. cervical market. Similarly, in September 2012, Globus Medical, Inc. announced that the Food and Drug Administration (FDA) has granted premarket approval for the Secure-C cervical artificial disc. The technological developments in the artificial discs enabled better translational and rotational movements, stability of implant for a long time, minimally invasive surgery and improvement in Quality adjusted life year.

Globally, the artificial disc market has been segmented into the following regions Viz. North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. North America is expected to hold the largest share in the artificial disc market owing to

increase in disposable income and healthcare expenditure, technological developments in the disc replacement surgeries, and favourable reimbursement policies might propel the market revenue growth. Europe accounts for a significant share in artificial disc market attributed to increase in geriatric population, development in healthcare infrastructure, and increase in disposable income in Europe countries such as Germany, U.K etc. Asia Pacific artificial disc market expected to grow significantly due to rise in geriatric population majorly in India and China. Increase in the prevalence of degenerative diseases, development of healthcare infrastructure, and increase in medical tourism in Asia Pacific region might bolster the artificial disc market in APAC region.

Some of the key players in the global artificial disc market are Medtronic (U.S.), Globus Medical Inc. (U.S.), Johnson and Johnson Services Inc.,(DePuy Synthes) (U.S.), NuVasive Inc. (U.S.), Zimmer-Biomet (U.S.), Stryker Corporation (U.S.), Aesculap Implant System, LLC (U.S.), Alphatec Spine Inc. (U.S.), Smith & Nephew (U.K.), Orthovita Inc. (U.S.), Synthes Holding AG (U.S.), LDS Spine (U.S.), and Spinal Kinetics Inc. (U.S.) to name a few.

In September 2016, Medtronic, Zimmer Biomet enters into 2-level cervical disc and robotic surgery markets

In June 2015, Aesculap received U.S. FDA approval for the activL artificial disc for one level lumbar use

#### Report Outline:

The report provides granular level information about the market size, regional market share and forecast from 2017-2023

The report covers in-detail insights about the competitor's overview, key findings and their key strategies

The report outlines drivers, restraints, challenges, and trends that are currently faced by the industry

The report tracks recent innovations, key developments and startup's details that are working in the industry

The report provides plethora of information about market entry strategies,

regulatory framework and reimbursement scenario

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