

Technology Landscape, Trends and Opportunities in the Global Orthopedic Device Market

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Abstracts

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The material technologies in orthopedic device have undergone significant change in recent years, with polyaryletherketones (PAEKs) based orthopedic implant material replacing metals and biologic orthopedic implants. The rising wave of new technologies such as polymers, metals and biologics are creating significant potential for advanced orthopedic devices in various medical platforms due to their improved strength and durability.

In orthopedic device market, various material technologies such as polymers, metals, ceramics, and biologics are used in the hip replacement, knee replacement, ankle replacement, and shoulder replacement applications. Increasing incidence of road accidents & sports injuries and spurring demand for minimally invasive surgical procedures are creating new opportunities for various orthopedic device technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the orthopedic device market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global orthopedic device technology by application, technology, and region as follows:

Technology Readiness by Material Technology

Competitive Intensity and Regulatory Compliance

Disruption Potential by Material Technology

Trends and Forecasts by Material Technology Type [\$M shipment analysis from 2018 to 2030]:

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Technology Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Hip Replacement

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Knee Replacement

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Ankle Replacement

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Shoulder Replacement

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Others

Polymers Based

Metals Based

Ceramics Based

Biologics Based

Technology Trends and Forecasts by Region [\$M shipment analysis for 2018 to 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Orthopedic Device Technologies

Companies / Ecosystems

Strategic Opportunities by Material Technology

Some of the orthopedic device companies profiled in this report include Medtronic, DePuy Synthes, Stryker Corporation, NuVasive, Zimmer Biomet Holdings, Globus Medical, Alphatec Holdings, Orthofix International, K2M Group Holdings, and RTI Surgical.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for

the orthopedic device market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in orthopedic device market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in orthopedic device market?

Q.6 What are the latest developments in orthopedic device technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this orthopedic device market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this orthopedic device technology space?

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