

# Technology Landscape, Trends and Opportunities in the Global Knee Replacement Market

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Date: March 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: T44CCE626756EN

## Abstracts

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The material technologies in knee replacement has undergone significant change in recent years, with metal based knee implant t%li%strong plastic based knee implant. The rising wave of new material technologies such as ceramic material and strong plastic are creating significant potential for advanced knee replacement in various medical platforms due t%li%low weight, high tensile strength and less chances of corrosion and smoother movement as compare t%li%other materials.

In knee replacement market, various material technologies such as stainless steel, cobalt-chromium alloys, titanium and titanium alloys, polyethylene, and ceramics are used in total knee reconstructive implants, partial knee reconstructive implants, and revision knee reconstructive implants.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the knee replacement 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 knee replacement 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 [\$M shipment analysis from 2024 to 2030]:

Metal Alloy Based Implants

Ceramic Based Implants

Strong Plastic Based Implants

Technology Trends and Forecasts by Application [\$M shipment analysis from 2024 to 2030]:

Total Knee Reconstructive Implants

Metal Alloy Based Implants

Ceramic Based Implants

Strong Plastic Based Implants

Partial Knee Reconstructive Implants

Metal Alloy Based Implants

Ceramic Based Implants

Strong Plastic Based Implants

Revision Knee Reconstructive Implants

Metal Alloy Based Implants

Ceramic Based Implants

## Strong Plastic Based Implants

Technology Trends and Forecasts by Region [\$M shipment analysis for 2024 – 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 Knee Replacement Technologies

Companies / Ecosystems

Strategic Opportunities by Material Technology

*Technology Landscape, Trends and Opportunities in the Global Knee Replacement Market*

Some of the knee replacement companies profiled in this report include Zimmer Inc., DePuy Synthes, Stryker, Smith and Nephew, Kinamed, Allegra Orthopaedics Limited, and Exactech.

This report answers following 9 key questions:

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

Q.6 What are the latest developments in knee replacement 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 knee replacement market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this knee replacement technology space?

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