

Global Cementless Total Knee Arthroplasty Market Size Study, by Product (Mobile Bearings, Fixed Bearings), by Material (Ceramics, Alloys, Others), by End User (Hospitals, Others) and Regional Forecasts 2022-2032

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Abstracts

The Global Cementless Total Knee Arthroplasty Market was valued at approximately USD 1.99 billion in 2023 and is projected to expand at a compound annual growth rate (CAGR) of 4.6% over the forecast period from 2023 to 2032. Cementless total knee arthroplasty (TKA) is gaining traction as a reliable and durable solution, particularly for younger, more active patients. Advances in fixation materials, such as modern highly porous metals, have significantly enhanced the process of osseointegration, thereby increasing the long-term success rates of these implants. The biologic fixation offered by cementless prostheses and the potential for improved survivorship make them an increasingly popular choice among orthopedic surgeons.

The rising prevalence of knee osteoarthritis, advancements in implant design, and the development of new surgical techniques are the primary drivers of market growth. For instance, the Global RA Network study from 2021 highlighted that over 350 million people worldwide are affected by arthritis, with significant numbers suffering from psoriatic arthritis and rheumatoid arthritis. Additionally, the growing incidence of sports-related injuries and the aging population further contribute to the increasing demand for cementless knee implants.

The market is also benefiting from the advantages of cementless implants over traditional cemented implants. Cementless implants offer better fixation, enhanced stability, reduced risk of loosening over time, and improved long-term survival rates. These benefits have led to a greater adoption of cementless total knee arthroplasty by

both surgeons and patients.

The key regions considered in the study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. The dominating and fastest-growing region in the Cementless Total Knee Arthroplasty Market is North America. This dominance is primarily due to the high prevalence of knee osteoarthritis and an aging population that demands advanced joint replacement procedures. The region also benefits from a strong healthcare infrastructure, high adoption of innovative medical technologies, and significant investments in research and development by key market players. Moreover, the increasing awareness about the benefits of cementless knee implants, which offer better long-term outcomes and reduced risk of complications, further drives the market's growth in North America. The presence of leading companies and favorable reimbursement policies also contribute to the region's leading position.

Major market players included in this report are:

Waldemar Link GmbH & Co. KG

Stryker Corporation

Zimmer Biomet Holdings Inc.

Johnson & Johnson

X. NOV

MicroPort Scientific Corporation

Smith & Nephew PLC

B. Braun Melsungen AG

United Orthopedic Corporation

Olympus Corporation

Aesculap Implant Systems, LLC

LinkBio Corp.

OMNIlife Science, Inc.

Wright Medical Group N.V.

The detailed segments and sub-segment of the market are explained below:

By Product:

Mobile Bearings

Fixed Bearings

By Material:

Ceramics

Alloys

Others

By End User:

Hospitals

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Italy

Spain

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East and Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows: Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Global Cementless Total Knee Arthroplasty Market Size Study, by Product (Mobile Bearings, Fixed Bearings), by...

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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