+44 20 8123 2220
info@marketpublishers.com

Bionic Smart Knee Market By Material (Titanium, Graphite) , By End User (Hospitals, Orthopedic Clinics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

https://marketpublishers.com/r/B0FF5A2C24CBEN.html
Date: July 2024
Pages: 260
Price: US$ 2,655.00 (Single User License)
ID: B0FF5A2C24CBEN

Abstracts

Bionic Smart Knee Market

The bionic smart knee market was valued at $1.3 billion in 2023 and is projected t%li%reach $2.8 billion by 2033, growing at a CAGR of 7.8% from 2024 t%li%2033.

A bionic smart knee is a unique prosthetic device utilized for knee replacement. The device is equipped with sensors, microprocessors, and Bluetooth technology, which facilitate the replacement procedure. This smart knee imitates the natural functions of a human knee, along with enhancing comfort and mobility. The primary features of bionic smart knee include its dynamic adjustment capabilities and remarkable gait analysis. Moreover, the device’s connectivity features enable its integration with external devices or mobile apps, allowing users t%li%monitor their performance and customize the settings or performance.

Advancements in technology and material sciences are driving the growth of the bionic smart knee market as these upgraded devices offer refined functionality and experience t%li%the users. In addition, rise in the prevalence of mobility issues and knee injuries, along with surge in awareness regarding the availability of advanced therapeutics is boosting the adoption of bionic smart knee. An emerging trend in the bionic smart knee market is the neuroprosthetic regulation of the device. Control of the smart knee through neural abilities is anticipated t%li%amplify the imitation of natural human gait by the device. T%li%facilitate neural control, the agonist and antagonist muscle pairs critical for knee movement need t%li%be surgically connected t%li%mimic the natural

+44 20 8123 2220
info@marketpublishers.com

dynamics.

However, the availability of prosthetic devices and the facility t%li%underg%li%a successful replacement are majorly restricted t%li%developed regions, which hampers the market growth. In addition, the high cost of smart knee administration, maintenance, and insurance coverage prevents budget-sensitive patients from undergoing replacement, which limits the widespread expansion of the market. According t%li%an article by the U.S. News & World Report—an American news magazine—on an average, robotic smart knee replacements cost around $2,400 higher than the conventional replacement surgeries. On the contrary, the market is poised for lucrative opportunities due t%li%the advent of remote health. Bionic smart knee enables remote checkups and post-operative monitoring, eliminating the hassle of multiple hospital visits after surgery.

Segment Review

The bionic smart knee market is segmented int%li%material, end user, and region. On the basis of material, the market is bifurcated int%li%titanium and graphite. As per end user, it is divided int%li%hospitals, orthopedic clinics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of material, the titanium segment dominates the bionic smart knee market.

As per end user, hospitals are the leading segment in the market.

Region wise, North America was the highest revenue generator in 2023.

Competition Analysis

The key players operating in the global bionic smart knee market include Stryker Corporation., Zimmer Biomet Holdings, Inc., Smith & Nephew plc, Johnson & Johnson, B. Braun Melsungen AG, Medtronic, ?ssur, Wright Medical Group N.V., Exactech, Inc., and ConforMIS, Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, t%li%strengthen their foothold in the competitive market.

Additional benefits you will get with this purchase are:

+44 20 8123 2220
info@marketpublishers.com

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting t%li%16 analyst hours t%li%solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent t%li%3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk t%li%the sales executive t%li%know more)

Additional company profiles with specific t%li%client's interest

Expanded list for Company Profiles

Key Market Segments

By Material

Titanium

+44 20 8123 2220
info@marketpublishers.com

Graphite

By End User

Hospitals

Orthopedic Clinics

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

+44 20 8123 2220
info@marketpublishers.com

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

Stryker Corporation.

Zimmer Biomet Holdings, Inc.

Smith & Nephew plc

Johnson & Johnson

B. Braun Melsungen AG

Medtronic

?ssur

Wright Medical Group N.V.

+44 20 8123 2220
info@marketpublishers.com

Exactech, Inc.

ConforMIS, Inc.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Bionic Smart Knee Market By Material (Titanium, Graphite) , By End User (Hospitals, Orthopedic Clinics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: https://marketpublishers.com/r/B0FF5A2C24CBEN.html

Price: US$ 2,655.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/B0FF5A2C24CBEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below

+44 20 8123 2220
info@marketpublishers.com

and fax the completed form to +44 20 7900 3970