

# **Global Medical Coatings for Implants Market Size Study, by Technology (PVD, Plasma Spray), by Product (Hydroxyapatite, Nanoparticle, Titanium Plasma Spray), by Application (Cardiovascular Implants, Dental Implants, Orthopedic Implant Screws), and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GAFB9EDE60B7EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GAFB9EDE60B7EN

## **Abstracts**

The Global Medical Coatings for Implants Market is valued at approximately USD 1.5 billion in 2023 and is anticipated to grow with a robust growth rate of more than 9.30% over the forecast period 2024-2032. Medical coatings for implants represent a critical innovation in the realm of healthcare, enhancing the functionality, durability, and biocompatibility of implantable devices. Leveraging advanced technologies such as physical vapor deposition (PVD) and plasma spraying, these coatings play an essential role in improving patient outcomes by reducing implant rejection and promoting tissue integration. This burgeoning field continues to evolve, driven by the increasing demand for high-performance implants in cardiology, orthopedics, and dentistry.

The market's upward trajectory is propelled by an aging global population and the rising prevalence of chronic diseases necessitating implant-based treatments. Cardiovascular and orthopedic implants are witnessing heightened adoption due to their life-enhancing benefits, which in turn fuels demand for superior coatings like hydroxyapatite and titanium plasma spray. Additionally, the surge in minimally invasive surgical procedures and advancements in nanoparticle technology are unlocking new possibilities in implant coating applications. Despite challenges such as stringent regulatory requirements and the high costs of advanced coating technologies, innovations in nanocoatings and the development of sustainable materials are anticipated to provide significant growth opportunities.

Regionally, North America dominates the medical coatings for implants market, underpinned by advanced healthcare infrastructure, a high prevalence of implant procedures, and significant investments in research and development. Europe follows closely, driven by an aging population and strong healthcare spending. The Asia-Pacific region is poised for the fastest growth, fueled by expanding healthcare access, rising medical tourism, and increasing awareness of advanced implant technologies. Latin America and the Middle East & Africa are emerging markets, characterized by growing healthcare investments and untapped opportunities.

Key industry players are focusing on expanding their product portfolios and enhancing R&D capabilities to stay ahead in this competitive landscape. Strategic collaborations and partnerships are also being employed to bolster market presence and address the evolving needs of end-users.

Major market players included in this report are:

Zimmer Biomet Holdings, Inc.

Stryker Corporation

Depuy Synthes (Johnson & Johnson)

Smith & Nephew plc

Medtronic plc

Boston Scientific Corporation

Abbott Laboratories

B. Braun Melsungen AG

Heraeus Holding

Dentsply Sirona Inc.

Straumann Holding AG

Danaher Corporation

Olympus Corporation

3M Company

Evonik Industries AG

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

By Technology:

PVD (Physical Vapor Deposition)

Plasma Spray

By Product:

Hydroxyapatite

Nanoparticle

Titanium Plasma Spray

By Application:

Cardiovascular Implants

Dental Implants

Orthopedic Implant Screws

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

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

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape, including country-level insights.

Competitive landscape analysis with information on major players.

Insights into key business strategies and recommendations for future market approaches.

Comprehensive demand-side and supply-side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Medical Coatings for Implants Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Technology
  - 1.3.2. By Product
  - 1.3.3. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET DYNAMICS**

*Global Medical Coatings for Implants Market Size Study, by Technology (PVD, Plasma Spray), by Product (Hydroxy...*

### 3.1. Market Drivers

- 3.1.1. Aging Global Population
- 3.1.2. Rising Prevalence of Chronic Diseases
- 3.1.3. Advancements in Coating Technologies

### 3.2. Market Challenges

- 3.2.1. Stringent Regulatory Requirements
- 3.2.2. High Costs of Advanced Coating Technologies

### 3.3. Market Opportunities

- 3.3.1. Development of Eco-friendly and Sustainable Materials
- 3.3.2. Expansion into Emerging Markets
- 3.3.3. Innovations in Nanocoatings

## **CHAPTER 4. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunities

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

### 5.1. Segment Dashboard

### 5.2. Global Medical Coatings for Implants Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 5.2.1. PVD (Physical Vapor Deposition)

#### 5.2.2. Plasma Spray

## **CHAPTER 6. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET SIZE & FORECASTS BY PRODUCT 2022-2032**

### 6.1. Segment Dashboard

### 6.2. Global Medical Coatings for Implants Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 6.2.1. Hydroxyapatite

#### 6.2.2. Nanoparticle

#### 6.2.3. Titanium Plasma Spray

## **CHAPTER 7. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 7.1. Segment Dashboard

### 7.2. Global Medical Coatings for Implants Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 7.2.1. Cardiovascular Implants

#### 7.2.2. Dental Implants

#### 7.2.3. Orthopedic Implant Screws

## **CHAPTER 8. GLOBAL MEDICAL COATINGS FOR IMPLANTS MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 8.1. North America Medical Coatings for Implants Market

#### 8.1.1. U.S. Medical Coatings for Implants Market

##### 8.1.1.1. Technology Breakdown Size & Forecasts, 2022-2032

##### 8.1.1.2. Product Breakdown Size & Forecasts, 2022-2032

##### 8.1.1.3. Application Breakdown Size & Forecasts, 2022-2032

#### 8.1.2. Canada Medical Coatings for Implants Market

### 8.2. Europe Medical Coatings for Implants Market

#### 8.2.1. UK Medical Coatings for Implants Market

#### 8.2.2. Germany Medical Coatings for Implants Market



- 8.2.3. France Medical Coatings for Implants Market
- 8.2.4. Spain Medical Coatings for Implants Market
- 8.2.5. Italy Medical Coatings for Implants Market
- 8.2.6. Rest of Europe Medical Coatings for Implants Market
- 8.3. Asia-Pacific Medical Coatings for Implants Market
  - 8.3.1. China Medical Coatings for Implants Market
  - 8.3.2. India Medical Coatings for Implants Market
  - 8.3.3. Japan Medical Coatings for Implants Market
  - 8.3.4. Australia Medical Coatings for Implants Market
  - 8.3.5. South Korea Medical Coatings for Implants Market
  - 8.3.6. Rest of Asia Pacific Medical Coatings for Implants Market
- 8.4. Latin America Medical Coatings for Implants Market
  - 8.4.1. Brazil Medical Coatings for Implants Market
  - 8.4.2. Mexico Medical Coatings for Implants Market
  - 8.4.3. Rest of Latin America Medical Coatings for Implants Market
- 8.5. Middle East & Africa Medical Coatings for Implants Market
  - 8.5.1. Saudi Arabia Medical Coatings for Implants Market
  - 8.5.2. South Africa Medical Coatings for Implants Market
  - 8.5.3. Rest of Middle East & Africa Medical Coatings for Implants Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Zimmer Biomet Holdings, Inc.
  - 9.1.2. Stryker Corporation
  - 9.1.3. Depuy Synthes (Johnson & Johnson)
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Zimmer Biomet Holdings, Inc.
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Market Strategies
  - 9.3.2. Stryker Corporation
  - 9.3.3. Depuy Synthes (Johnson & Johnson)
  - 9.3.4. Smith & Nephew plc
  - 9.3.5. Medtronic plc
  - 9.3.6. Boston Scientific Corporation

- 9.3.7. Abbott Laboratories
- 9.3.8. B. Braun Melsungen AG
- 9.3.9. Heraeus Holding
- 9.3.10. Dentsply Sirona Inc.

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Medical Coatings for Implants Market, Report Scope
- TABLE 2. Global Medical Coatings for Implants Market Estimates & Forecasts by Region 2022-2032 (USD Million/Billion)
- TABLE 3. Global Medical Coatings for Implants Market Estimates & Forecasts by Technology 2022-2032 (USD Million/Billion)
- TABLE 4. Global Medical Coatings for Implants Market Estimates & Forecasts by Product 2022-2032 (USD Million/Billion)
- TABLE 5. Global Medical Coatings for Implants Market Estimates & Forecasts by Application 2022-2032 (USD Million/Billion)
- TABLE 6. Global Medical Coatings for Implants Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 7. Global Medical Coatings for Implants Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 8. Global Medical Coatings for Implants Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 9. Global Medical Coatings for Implants Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 10. Global Medical Coatings for Implants Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 11. Global Medical Coatings for Implants Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 12. Global Medical Coatings for Implants Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 13. Global Medical Coatings for Implants Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 14. U.S. Medical Coatings for Implants Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 15. U.S. Medical Coatings for Implants Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
- TABLE 16. Canada Medical Coatings for Implants Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)
- TABLE 17. Canada Medical Coatings for Implants Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
- ...

This list is not complete; the final report does contain more than 100 tables. The list may

be updated in the final deliverable.

## I would like to order

Product name: Global Medical Coatings for Implants Market Size Study, by Technology (PVD, Plasma Spray), by Product (Hydroxyapatite, Nanoparticle, Titanium Plasma Spray), by Application (Cardiovascular Implants, Dental Implants, Orthopedic Implant Screws), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GAFB9EDE60B7EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAFB9EDE60B7EN.html>