

Medical Device Coatings Market Size, Share & Trends Analysis Report By Product (Hydrophilic Coatings, Antimicrobial Coatings), By Application (Neurology, Orthopedics), By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/M502D9FAF77BEN.html>

Date: May 2025

Pages: 81

Price: US\$ 5,950.00 (Single User License)

ID: M502D9FAF77BEN

Abstracts

This report can be delivered to the clients within 6 Business Days

Medical Device Coatings Market Growth & Trends

The global medical device coatings market size is expected to reach USD 23.85 billion by 2030, registering a CAGR of 7.9% from 2025 to 2030, as per the new report by Grand View Research, Inc. The growth is majorly driven by the rising demand for cardiovascular devices, stents, ventilators, sutures, guide wires, syringes, catheters, mandrels, and other protective equipment used in the healthcare sector. In addition, factors, such as the growing demand for early detection and non-invasive treatments, as well as high-quality healthcare, are anticipated to drive the growth of medical devices, which is projected to fuel the demand in the coming years. Medical Device Coatings (MDCs) are materials that improve a device's performance and mobility.

MDCs are used in protecting the surfaces of several equipment, including those used in neurology, dentistry, and other fields. Moreover, these coatings are applied to a variety of instruments used in healthcare, including those used in general surgery, cardiology, orthopedics, dentistry, implants, neurology, gynecology, and other fields. North America dominated the industry in 2022. As per the statistics of the Centers for Medicare & Medicaid Services, the national health expenditure in the U.S. grew by 2.7% to USD 4.3 trillion in 2021. Also, private health insurance spending grew by 9.2% to USD 734.0 billion in 2021. The increasing spending on Medicare, private health insurance, and

prescription drugs in the U.S. is predicted to boost product demand in the region over the forecast period.

Medical Device Coatings Market Report Highlights

The antimicrobial coatings segment is projected to grow at the highest growth rate over the forecast period owing to their low price and high compatibility with different materials, such as carbon fiber, composite materials, metal, plastic, and stainless steel

The prevalence of infections, such as pneumonia associated with ventilators and catheter-associated urinary tract infections, is forcing medical equipment manufacturers to coat their products with anti-microbial agents

The cardiovascular application segment dominated the industry in 2022 due to the increasing cases of heart diseases and the rising adoption of implants and cardiac pacemakers among heart patients

Asia Pacific is expected to witness the fastest growth rate over the forecast period due to the growing number of healthcare facilities in the region

Companies Mentioned

SurModics Inc.

Sono-Tek Corp.

DSM

Hydromer, Inc.

Covalon Technologies Ltd.

Infinita Biotech Private Ltd.

Materion Corp.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
 - 1.3.1. Purchased Database
 - 1.3.2. GVR's Internal Database
 - 1.3.3. Secondary Sources & Third-Party Perspectives
 - 1.3.4. Primary Research
- 1.4. Information Analysis
 - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Snapshot
- 2.2. Segment Snapshot
- 2.3. Competitive Landscape Snapshot

CHAPTER 3. MEDICAL DEVICE COATINGS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Industry Value Chain Analysis
 - 3.2.1. Manufacturing/ Technology Trends
 - 3.2.2. Sales Channel Analysis
 - 3.2.3. List of Potential End-Users
- 3.3. Regulatory Framework, By Regions
- 3.4. Price Trends Analysis, 2018 - 2030 (USD/Kg)
 - 3.4.1. Factors Influencing Prices of Medical Device Coatings
- 3.5. Market Dynamics
 - 3.5.1. Market Driver Analysis
 - 3.5.2. Market Restraint Analysis
 - 3.5.3. Industry Challenges
 - 3.5.4. Industry Opportunities
- 3.6. Industry Analysis Tools

3.6.1. Porter's Five Forces Analysis

3.6.2. Macro-environmental Analysis

CHAPTER 4. MEDICAL DEVICE COATINGS MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

4.1. Product Movement Analysis & Market Share, 2024 & 2030

4.2. Medical Device Coatings Market Estimates & Forecast, By Technology, 2018 to 2030 (USD Million) (Kilotons)

4.3. Hydrophilic Coatings

4.3.1. Hydrophilic Coatings Fertilizers Market Estimates and Forecasts, 2018 - 2030 (USD Million) (Kilotons)

4.4. Antimicrobial Coatings

4.4.1. Antimicrobial Coatings Fertilizers Market Estimates and Forecasts, 2018 - 2030 (USD Million) (Kilotons)

4.5. Drug-eluting Coatings

4.5.1. Drug-eluting Coatings Fertilizers Market Estimates and Forecasts, 2018 - 2030 (USD Million) (Kilotons)

4.6. Others

4.6.1. Others Fertilizers Market Estimates and Forecasts, 2018 - 2030 (USD Million) (Kilotons)

CHAPTER 5. MEDICAL DEVICE COATINGS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

5.1. Application Movement Analysis & Market Share, 2024 & 2030

5.2. Medical Device Coatings Market Estimates & Forecast, By Application, 2018 to 2030 (USD Million) (Kilotons)

5.3. Neurology

5.3.1. Medical Device Coatings Market Estimates and Forecasts, in Neurology, 2018 - 2030 (USD Million) (Kilotons)

5.4. Orthopedics

5.4.1. Medical Device Coatings Market Estimates and Forecasts, in Orthopedics, 2018 - 2030 (USD Million) (Kilotons)

5.5. General surgery

5.5.1. Medical Device Coatings Market Estimates and Forecasts, in General surgery, 2018 - 2030 (USD Million) (Kilotons)

5.6. Cardiovascular

5.6.1. Medical Device Coatings Market Estimates and Forecasts, in Cardiovascular,

2018 - 2030 (USD Million) (Kilotons)

5.7. Dentistry

5.7.1. Medical Device Coatings Market Estimates and Forecasts, in Dentistry, 2018 - 2030 (USD Million) (Kilotons)

5.8. Gynecology

5.8.1. Medical Device Coatings Market Estimates and Forecasts, in Gynecology, 2018 - 2030 (USD Million) (Kilotons)

5.9. Others

5.9.1. Medical Device Coatings Market Estimates and Forecasts, in Others, 2018 - 2030 (USD Million) (Kilotons)

CHAPTER 6. MEDICAL DEVICE COATINGS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1. Regional Movement Analysis & Market Share, 2024 & 2030

6.2. North America

6.2.1. North America Medical Device Coatings Estimates & Forecast, 2018 - 2030 (USD Million) (Kilotons)

6.2.2. U.S.

6.2.2.1. Key country dynamics

6.2.2.2. U.S. Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.2.3. Canada

6.2.3.1. Key country dynamics

6.2.3.2. Canada Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.2.4. Mexico

6.2.4.1. Key country dynamics

6.2.4.2. Mexico Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3. Europe

6.3.1. Europe Medical Device Coatings Estimates & Forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3.2. Germany

6.3.2.1. Key country dynamics

6.3.2.2. Germany Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3.3. UK

6.3.3.1. Key country dynamics

6.3.3.2. UK Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3.4. France

6.3.4.1. Key country dynamics

6.3.4.2. France Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3.5. Italy

6.3.5.1. Key country dynamics

6.3.5.2. Italy Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.3.6. Spain

6.3.6.1. Key country dynamics

6.3.6.2. Spain Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.4. Asia Pacific

6.4.1. Asia Pacific Medical Device Coatings Estimates & Forecast, 2018 - 2030 (USD Million) (Kilotons)

6.4.2. China

6.4.2.1. Key country dynamics

6.4.2.2. China Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.4.3. India

6.4.3.1. Key country dynamics

6.4.3.2. India Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.4.4. Japan

6.4.4.1. Key country dynamics

6.4.4.2. Japan Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.4.5. South Korea

6.4.5.1. Key country dynamics

6.4.5.2. South Korea Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.5. Central & South America

6.5.1. Central & South America Medical Device Coatings Market Estimates & Forecast, 2018 - 2030 (USD Million) (Kilotons)

6.5.2. Brazil

6.5.2.1. Key country dynamics

6.5.2.2. Brazil Medical Device Coatings Market estimates & forecast, 2018 - 2030

(USD Million) (Kilotons)

6.5.3. Argentina

6.5.3.1. Key country dynamics

6.5.3.2. Argentina Medical Device Coatings Market estimates & forecast, 2018 - 2030

(USD Million) (Kilotons)

6.6. Middle East & Africa

6.6.1. Middle East & Africa Medical Device Coatings Market Estimates & Forecast, 2018 - 2030 (USD Million) (Kilotons)

6.6.2. Saudi Arabia

6.6.2.1. Key country dynamics

6.6.2.2. Saudi Arabia Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

6.6.3. South Africa

6.6.3.1. Key country dynamics

6.6.3.2. South Africa Medical Device Coatings Market estimates & forecast, 2018 - 2030 (USD Million) (Kilotons)

CHAPTER 7. MEDICAL DEVICE COATINGS MARKET - COMPETITIVE LANDSCAPE

7.1. Recent Developments & Impact Analysis, By Key Market Participants

7.2. Company Categorization

7.3. Company Position Analysis, 2024

7.4. Company Heat Map Analysis

7.5. Strategy Mapping

7.6. Company Profiles

7.6.1. SurModics Inc.

7.6.1.1. Participant's overview

7.6.1.2. Financial performance

7.6.1.3. Product benchmarking

7.6.1.4. Recent developments

7.6.2. Sono-Tek Corp.

7.6.2.1. Participant's overview

7.6.2.2. Financial performance

7.6.2.3. Product benchmarking

7.6.2.4. Recent developments

7.6.3. DSM

7.6.3.1. Participant's overview

7.6.3.2. Financial performance

- 7.6.3.3. Product benchmarking
- 7.6.3.4. Recent developments
- 7.6.4. Hydromer, Inc.
 - 7.6.4.1. Participant's overview
 - 7.6.4.2. Financial performance
 - 7.6.4.3. Product benchmarking
 - 7.6.4.4. Recent developments
- 7.6.5. Covalon Technologies Ltd.
 - 7.6.5.1. Participant's overview
 - 7.6.5.2. Financial performance
 - 7.6.5.3. Product benchmarking
 - 7.6.5.4. Recent developments
- 7.6.6. Infinita Biotech Private Ltd.
 - 7.6.6.1. Participant's overview
 - 7.6.6.2. Financial performance
 - 7.6.6.3. Product benchmarking
 - 7.6.6.4. Recent developments
- 7.6.7. Materion Corp.
 - 7.6.7.1. Participant's overview
 - 7.6.7.2. Financial performance
 - 7.6.7.3. Product benchmarking
 - 7.6.7.4. Recent developments

List Of Tables

LIST OF TABLES

Table 1	List of Potential End-Users
Table 2	Regulatory Framework, by Regions
Table 3	List of Raw Material Suppliers
Table 4	U.S. Macroeconomic Outlay
Table 5	Canada Macroeconomic Outlay
Table 6	Mexico Macroeconomic Outlay
Table 7	Germany Macroeconomic Outlay
Table 8	UK Macroeconomic Outlay
Table 9	France Macroeconomic Outlay
Table 10	Italy Macroeconomic Outlay
Table 11	Spain Macroeconomic Outlay
Table 12	China Macroeconomic Outlay
Table 13	India Macroeconomic Outlay
Table 14	Japan Macroeconomic Outlay
Table 15	South Korea Macroeconomic Outlay
Table 16	Brazil Macroeconomic Outlay
Table 17	Argentina Macroeconomic Outlay
Table 18	Saudi Arabia Macroeconomic Outlay
Table 19	South Africa Macroeconomic Outlay
Table 20	Participant's Overview
Table 21	Financial Performance
Table 22	Product Benchmarking
Table 23	Company Heat Map Analysis
Table 24	Key Strategy Mapping

List Of Figures

LIST OF FIGURES

- Fig. 1 Medical Device Coatings Market Segmentation
- Fig. 2 Information Procurement
- Fig. 3 Data Analysis Models
- Fig. 4 Market Production And Validation
- Fig. 5 Data Validating & Publishing
- Fig. 6 Medical Device Coatings Market Snapshot
- Fig. 7 Medical Device Coatings Market Segmental Outlook, 2023 (USD Million) (Kilotons)
- Fig. 8 Medical Device Coatings Market: Competitive Insights
- Fig. 9 Global Medical Device Coatings Market, 2023 (USD Million) (Kilotons)
- Fig. 10 Global Medical Device Coatings Market Value Chain Analysis
- Fig. 11 Medical Device Coatings Market Dynamics
- Fig. 12 Medical Device Coatings Market: Porter's Analysis
- Fig. 13 Medical Device Coatings Market: Pestel Analysis
- Fig. 14 Medical Device Coatings Market Analysis & Segment Forecast, By Product, 2018 - 2030 (USD Million) (Kilotons): Key Takeaways
- Fig. 15 Medical Device Coatings Market Share, By Product, 2024 & 2030
- Fig. 16 Hydrophilic Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 17 Antimicrobial Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 18 Drug-eluting Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 19 Anti-thrombogenic Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 20 Other Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 21 Medical Device Coatings Market Analysis & Segment Forecast, By Application, 2018 - 2030 (USD Million) (Kilotons): Key Takeaways
- Fig. 22 Medical Device Coatings Market Share, By Application, 2024 & 2030
- Fig. 23 Medical Device Coatings Market Analysis & Segment Forecast, in Neurology, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 24 Medical Device Coatings Market Analysis & Segment Forecast, in Orthopedics, 2018 - 2030 (USD Million) (Kilotons)
- Fig. 25 Medical Device Coatings Market Analysis & Segment Forecast, in General

surgery, 2018 - 2030 (USD Million) (Kilotons)

Fig. 26 Medical Device Coatings Market Analysis & Segment Forecast, in Cardiovascular, 2018 - 2030 (USD Million) (Kilotons)

Fig. 27 Medical Device Coatings Market Analysis & Segment Forecast, in Dentistry, 2018 - 2030 (USD Million) (Kilotons)

Fig. 28 Medical Device Coatings Market Analysis & Segment Forecast, in Gynecology, 2018 - 2030 (USD Million) (Kilotons)

Fig. 29 Medical Device Coatings Market Analysis & Segment Forecast, in Others, 2018 - 2030 (USD Million) (Kilotons)

Fig. 30 Medical Device Coatings Market, By Region, 2024 & 2030 (%)

Fig. 31 North America Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 32 U.S. Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 33 Canada Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 34 Mexico Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 35 Europe Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 36 Germany Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 37 UK Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 38 France Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 39 Italy Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 40 Spain Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 41 Asia Pacific Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 42 China Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 43 India Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 44 Japan Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 45 South Korea Medical Device Coatings Market Analysis & Segment Forecast,

2018 - 2030 (USD Million) (Kilotons)

Fig. 46 Central & South America Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 47 Brazil Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 48 Argentina Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 49 Middle East & Africa Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 50 Saudi Arabia Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 51 South Africa Medical Device Coatings Market Analysis & Segment Forecast, 2018 - 2030 (USD Million) (Kilotons)

Fig. 52 Medical Device Coatings Market: Company Categorization

Fig. 53 Medical Device Coatings Market: Company Market Positioning Analysis

Fig. 54 Medical Device Coatings Market: Strategy Mapping

I would like to order

Product name: Medical Device Coatings Market Size, Share & Trends Analysis Report By Product (Hydrophilic Coatings, Antimicrobial Coatings), By Application (Neurology, Orthopedics), By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/M502D9FAF77BEN.html>

Price: US\$ 5,950.00 (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/M502D9FAF77BEN.html>