

Medical Device Coating Market: Distribution by Type of Medical Device (Class I, Class II, Class III), Type of Coating Material (Metal Coatings, Polymer Coatings, and Other Coatings), Company Size (Very Small, Small, Mid-sized, and Very Large), and Key Geographies (North America, Europe, Asia and Rest of the World) – Industry Trends and Global Forecasts, 2023-2035

<https://marketpublishers.com/r/MD56F73F5A37EN.html>

Date: January 2021

Pages: 213

Price: US\$ 4,799.00 (Single User License)

ID: MD56F73F5A37EN

Abstracts

The medical device coating market is expected to reach USD 7.7 billion in 2023 anticipated to grow at a CAGR of 7.7% during the forecast period 2023-2035.

The World Health Organization (WHO) reports approximately two million available medical devices globally. Since 2020, the Food and Drug Administration (FDA) has approved 125 new medical devices. This surge in demand for advanced medical tools like implants, surgical equipment, catheters, and other invasive devices has sparked innovation among developers. They aim to create biocompatible coatings that meet operational, clinical, and engineering needs. Currently, the market offers a range of coatings to suit the multifaceted functions of modern medical devices. Additionally, many device manufacturers are adopting innovative surface modification technologies. These technologies seek to enhance the physiochemical properties, friction resistance, and sometimes even the structure of the substrate to improve device qualities. The increasing need for various medical devices and a wide array of compatible coatings is expected to drive continuous growth in the medical device coating market in the forecasted period.

Report Coverage

The report examines the medical device coating market based on variables such as the type of medical device, type of coating material, company size, and key geographies.

It conducts an analysis of factors—like drivers, restraints, opportunities, and challenges—affecting market growth.

The report evaluates potential advantages and obstacles within the market, providing insights into the competitive landscape for top market players.

Revenue forecasts for market segments are provided concerning four major regions.

A comprehensive overview of the current status and expected future developments in the medical device coatings and surface modification technologies market is presented. It delineates various coating types, surface modification technologies, their benefits, challenges, and the growing trend of outsourcing these processes.

An in-depth analysis of medical coating companies is outlined, considering parameters such as establishment year, company size, headquarters location, types of coatings, coated medical devices, coating materials, functions, compatible substrates, services offered, and additional features.

The competitive landscape of medical device coating companies is assessed based on supplier experience and service portfolio strength, focusing on types of coated medical devices, coating materials, functions, compatible substrates, and services offered.

An assessment of surface modification technologies and coating solutions for medical devices is presented, considering parameters like modification mediums, trademark rights, surface modification processes, coated devices, coating materials, resistance properties, compatible substrates, and additional features.

A detailed evaluation of the competitiveness of surface modification technologies and coating solutions is provided, analyzing developer experience

and product competitiveness across various parameters.

Detailed profiles of prominent companies offering medical device coatings are included, comprising company overviews, recent developments, and future outlooks based on specific selection criteria.

An insightful analysis of partnerships formed within the surface modification and medical device coating industry since 2018 is provided, detailing the year, types, partner categories, geographical locations, and identification of the most active players based on partnership frequency.

An in-depth analysis of leading medical coating companies is conducted using the PESTLE framework, assessing the impact of Political, Economic, Social, Technological, Legal, and Environmental factors on medical device coating providers, including associated drivers and challenges.

Key Market Companies

Biocoat

Evonik Health Care

Formacoat

Harland Medical Systems

Para-Coat Technologies

Specialty Coating Systems

SurModics

TUA Systems

Contents

1. PREFACE

- 1.1. Scope of the Report
- 1.2. Market Segmentation
- 1.3. Research Methodology
- 1.4. Key Questions Answered
- 1.5. Chapter Outlines

2. EXECUTIVE SUMMARY

3. INTRODUCTION

- 3.1. Chapter Overview
- 3.2. Medical Device Coatings
- 3.3. Types of Medical Device Coatings
 - 3.3.1. Lubricious Coatings
 - 3.3.2. Antimicrobial Coatings
 - 3.3.3. Hydrophilic Coatings
- 3.4. Advantages and Disadvantages of Medical Device Coatings
- 3.5. Surface Modification Technologies
- 3.6. Types of Surface Modification Technologies
 - 3.6.1. Plasma Spraying
 - 3.6.2. Electrophoretic Deposition (EPD)
 - 3.6.3. Physical Vapor Deposition (PVD)
 - 3.6.4. Blasting
 - 3.6.5. Acid Etching
- 3.7. Advantages and Disadvantages of Surface Modification Technologies
- 3.8. Future Perspectives

4. MEDICAL DEVICE COATING COMPANIES: MARKET LANDSCAPE

- 4.1. Chapter Overview
- 4.2. Medical Device Coating Companies: Overall Market Landscape
 - 4.2.1. Analysis by Year of Establishment
 - 4.2.2. Analysis by Company Size
 - 4.2.3. Analysis by Location of Headquarters
 - 4.2.4. Analysis by Type of Company

- 4.2.5. Analysis by Type of Medical Device(s) Coated
- 4.2.6. Analysis by Nature of Coating Material(s)
- 4.2.7. Analysis by Type of Coating Material(s)
- 4.2.8. Analysis by Type of Coating(s)
- 4.2.9. Analysis by Type of Coating Function(s)
- 4.2.10. Analysis by Type of Compatible Substrate(s)
- 4.2.11. Analysis by Service(s) Offered
- 4.2.12. Analysis by Additional Feature(s) Offered

5. COMPANY COMPETITIVENESS ANALYSIS

- 5.1. Chapter Overview
- 5.2. Assumptions and Key Parameters
- 5.3. Methodology
- 5.4. Medical Device Coating Companies: Company Competitiveness Analysis
 - 5.4.1. Competitiveness Analysis: Very Small Companies
 - 5.4.2. Competitiveness Analysis: Small Companies
 - 5.4.3. Competitiveness Analysis: Mid-sized Companies
 - 5.4.4. Competitiveness Analysis: Large Companies
 - 5.4.5. Competitiveness Analysis: Very Large Companies

6. SURFACE MODIFICATION TECHNOLOGIES AND COATING SOLUTIONS: MARKET LANDSCAPE

- 6.1. Chapter Overview
- 6.2. Surface Modification Technologies and Coating Solutions: Overall Market Landscape
 - 6.2.1. Analysis by Type of Medium(s) for Modification
 - 6.2.2. Analysis by Type of Trademark Right
 - 6.2.3. Analysis by Type of Surface Modification Process(s) Employed
 - 6.2.4. Analysis by Type of Device(s) Coated
 - 6.2.5. Analysis by Type of Medical Device(s) Coated
 - 6.2.6. Analysis by Nature of Coating Material(s)
 - 6.2.7. Analysis by Type of Coating(s) Applied
 - 6.2.8. Analysis by Type of Resistance(s) Offered
 - 6.2.9. Analysis by Type of Compatible Substrate(s)
 - 6.2.10. Analysis by Additional Feature(s) Offered
- 6.3. Medical Device Surface Modification Technologies and Coating Solutions: Developer Landscape

- 6.3.1. Analysis by Year of Establishment
- 6.3.2. Analysis by Company Size
- 6.3.3. Analysis by Location of Headquarters
- 6.3.4. Most Active Players: Analysis by Number of Products Offered

7. PRODUCT COMPETITIVENESS ANALYSIS

- 7.1. Chapter Overview
- 7.2. Assumptions and Key Parameters
- 7.3. Methodology
- 7.4. Product Competitiveness Analysis
 - 7.4.1. Product Competitiveness Analysis: Technologies
 - 7.4.1.1. Technologies Developed by Very Small and Small Companies
 - 7.4.1.2. Technologies Developed by Mid-sized Companies
 - 7.4.1.3. Technologies Developed by Large and Very Large Companies
 - 7.4.2. Product Competitiveness Analysis: Coating Solutions
 - 7.4.2.1. Coating Solutions Developed by Very Small and Small Companies
 - 7.4.2.2. Coating Solutions Developed by Mid-sized Companies
 - 7.4.2.3. Coating Solutions Developed by Large and Very Large Companies

8. MEDICAL DEVICE COATING COMPANIES: COMPANY PROFILES

- 8.1. Chapter Overview
- 8.2. Advanced Coating
 - 8.2.1. Company Overview
 - 8.2.2. Recent Developments and Future Outlook
- 8.3. Biocoat
 - 8.3.1. Company Overview
 - 8.3.2. Recent Developments and Future Outlook
- 8.4. Evonik Health Care
 - 8.4.1. Company Overview
 - 8.4.2. Recent Developments and Future Outlook
- 8.5. Formacoat
 - 8.5.1. Company Overview
 - 8.5.2. Recent Developments and Future Outlook
- 8.6. Harland Medical Systems
 - 8.6.1. Company Overview
 - 8.6.2. Recent Developments and Future Outlook
- 8.7. Para-Coat Technologies

- 8.7.1. Company Overview
- 8.7.2. Recent Developments and Future Outlook
- 8.8. Specialty Coating Systems
 - 8.8.1. Company Overview
 - 8.8.2. Recent Developments and Future Outlook
- 8.9. SurModics
 - 8.9.1. Company Overview
 - 8.9.2. Recent Developments and Future Outlook
- 8.10. TUA Systems
 - 8.10.1. Company Overview
 - 8.10.2. Recent Developments and Future Outlook

9. PARTNERSHIPS AND COLLABORATIONS

- 9.1. Chapter Overview
- 9.2. Partnership Models
- 9.3. List of Partnerships and Collaborations
 - 9.3.1. Analysis by Year of Partnership
 - 9.3.2. Analysis by Type of Partnership
 - 9.3.3. Analysis by Type of Partner
 - 9.3.4. Analysis by Geography
 - 9.3.5. Most Active Players: Analysis by Number of Partnerships

10. MEDICAL DEVICE COATING COMPANIES: PESTLE ANALYSIS

- 10.1. Chapter Overview
- 10.2. Methodology
- 10.3. Key Parameters
 - 10.3.1. Political Factors
 - 10.3.2. Economical Factors
 - 10.3.3. Sociological Factors
 - 10.3.4. Technological Factors
 - 10.3.5. Legal Factors
 - 10.3.6. Environmental Factors
- 10.4. PESTLE Analysis: Medical Device Coating Companies
 - 10.4.1. Biocoat
 - 10.4.2. Biomerics
 - 10.4.3. Diamond-MT
 - 10.4.4. Evonik Health Care

- 10.4.5. Fisher Barton
- 10.4.6. Formacoat
- 10.4.7. Freudenberg
- 10.4.8. Harland Medical Systems
- 10.4.9. Master Bond
- 10.4.10. Materion
- 10.4.11. N8 Medical
- 10.4.12. Para-Coat Technologies
- 10.4.13. Specialty Coating Systems
- 10.4.14. SurModics
- 10.4.15. Tractivus
- 10.5. Concluding Remarks

11. MARKET FORECAST

- 11.1. Chapter Overview
- 11.2. Key Assumptions and Forecast Methodology
- 11.3. Global Medical Device Coating Market, 2023-2035
 - 11.3.1. Global Medical Device Coating Market: Distribution by Type of Medical Device, 2023 and 2035
 - 11.3.1.1. Medical Device Coating Market for Class I Devices, 2023-2035
 - 11.3.1.2. Medical Device Coating Market for Class II Devices, 2023-2035
 - 11.3.1.3. Medical Device Coating Market for Class III Devices, 2023-2035
 - 11.3.2. Global Medical Device Coating Market: Distribution by Type of Coating Material, 2023 and 2035
 - 11.3.2.1. Medical Device Coating Market for Polymer Coatings, 2023-2035
 - 11.3.2.2. Medical Device Coating Market for Metal Coatings, 2023-2035
 - 11.3.2.3. Medical Device Coating Market for Other Coatings, 2023-2035
 - 11.3.3. Global Medical Device Coating Market: Distribution by Company Size, 2023 and 2035
 - 11.3.3.1. Medical Device Coating Market for Very Small Companies, 2023-2035
 - 11.3.3.2. Medical Device Coating Market for Small Companies, 2023-2035
 - 11.3.3.3. Medical Device Coating Market for Mid-sized Companies, 2023-2035
 - 11.3.3.4. Medical Device Coating Market for Large Companies, 2023-2035
 - 11.3.3.5. Medical Device Coating Market for Very Large Companies, 2023-2035
 - 11.3.4. Global Medical Device Coating Market: Distribution by Geography, 2023-2035
 - 11.3.4.1. Medical Device Coating Market in North America, 2023-2035
 - 11.3.4.2. Medical Device Coating Market in Europe, 2023-2035
 - 11.3.4.3. Medical Device Coating Market in Asia, 2023-2035

11.3.4.4. Medical Device Coating Market in the Rest of the World, 2023-2035

12. CONCLUDING REMARKS

13. EXECUTIVE INSIGHTS

13.1. Chapter Overview

13.2. Biocoat

13.2.1. Company Snapshot

13.2.2. Interview Transcript: Mark Eberhardt, Senior Director of Marketing

13.3. N8 Medical

13.3.1. Company Snapshot

13.3.2. Interview Transcript: Carl Genberg, Chief Scientific Officer

13.4. VaporTech

13.4.1. Company Snapshot

13.4.2. Interview Transcript: David Wayne, Director of Sales and Marketing

14. APPENDIX 1: TABULATED DATA

15. APPENDIX 2: LIST OF COMPANIES AND ORGANIZATIONS

I would like to order

Product name: Medical Device Coating Market: Distribution by Type of Medical Device (Class I, Class II, Class III), Type of Coating Material (Metal Coatings, Polymer Coatings, and Other Coatings), Company Size (Very Small, Small, Mid-sized, and Very Large), and Key Geographies (North America, Europe, Asia and Rest of the World) – Industry Trends and Global Forecasts, 2023-2035

Product link: <https://marketpublishers.com/r/MD56F73F5A37EN.html>

Price: US\$ 4,799.00 (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/MD56F73F5A37EN.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**

Customer 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
and fax the completed form to +44 20 7900 3970