

# Medical Device Coatings Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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## Abstracts

The global medical device coatings market reached a value of US\$ 8.05 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 12.89 Billion by 2027, exhibiting a CAGR of 7.72% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

Medical device coatings (MDCs) improve maneuverability and performance of medical devices, such as surgical, cardiovascular, orthopedic, dental implants, neurology, and gynecology devices. They help maintain sharp edges on cutting instruments while improving wear resistance, reducing galling between sliding components, and increasing lubricity. They also assist in avoiding allergenic substances while resisting bacteria on medical devices, which can be used on several patients without risking new infections. Apart from this, they offer several functional benefits, such as an anti-glare surface for bright operating rooms, anti-fouling in the presence of blood and tissue, and antimicrobial properties.

Medical Device Coatings Market Trends:

At present, there is a rise in the prevalence of hospital-acquired infections (HAIs) due to contaminated medical instruments, such as catheters and respiratory machines. This, along with the antimicrobial properties of MDCs, represents one of the key factors driving the market. Moreover, there is an increase in the utilization of the minimally invasive (MI) medical device with appropriate coatings to cause minimal harm and protect patients from thrombogenicity, blood vessel damage, and other internal injuries. This, coupled with the growing availability of novel medical devices across the globe, is

positively influencing the market. In addition, the increasing employment of implantable devices, such as cardiac pacemakers, implantable cardiac defibrillators (ICDs), coronary stents, hip implants, interocular lenses and implantable insulin pumps to save the life of patients, is propelling the market growth. Besides this, the escalating demand for nanocoating in medical devices to repel dry particles, water, oil, and dirt is offering lucrative growth opportunities to industry investors. Apart from this, governments of several countries are extensively investing in the healthcare industry, which, in turn, is bolstering the growth of the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global medical device coatings market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, material and application.

#### Breakup by Product:

- Hydrophilic Coatings
- Antimicrobial Coatings
- Drug-Eluting Coatings
- Anti-Thrombogenic Coatings
- Others

#### Breakup by Material:

- Metals
  - Silver
  - Titanium
  - Others
- Ceramics
- Polymers
  - Silicone
  - Parylene
  - Fluoropolymers

#### Breakup by Application:

- Neurology
- Orthopedics

General Surgery  
Cardiovascular  
Dentistry  
Gynecology  
Others

#### Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AST Products Inc., Biocoat Incorporated, Coatings2go LLC, Covalon Technologies Ltd., Harland Medical Systems Inc., Hydromer Inc., Kisco Ltd., Koninklijke DSM N.V., Merit Medical Systems Inc., Precision Coating Co Inc. (Katahdin Industries Inc.), Sono-Tek Corporation and Surmodics Inc.

### Key Questions Answered in This Report:

How has the global medical device coatings market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global medical device coatings market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the material?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global medical device coatings market and who are the key players?

What is the degree of competition in the industry?

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