

Global Medical Catheter Lubricating Coating Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Medical Catheter Lubricating Coating market size was valued at US\$ 194 million in 2025 and is forecast to a readjusted size of US\$ 277 million by 2032 with a CAGR of 5.3% during review period.

In 2025, global medical catheter lubricating coating production reached approximately 420 tons, with an average global market price of around US\$450 per kilogram. In 2025, the global 's total production capacity of medical catheter lubricating coating reached 520 tons. The industry average gross profit margin of this product reached 28%. Medical catheter lubricating coatings are ultra-low friction, highly hydrophilic functional polymer films formed on the surfaces of vascular interventional catheters, guidewires, sheaths, and other minimally invasive medical devices through physical adsorption, chemical bonding, or UV/thermal curing. Their core function is to significantly reduce the coefficient of friction (COF) when the device enters the blood vessels or cavities by absorbing water and swelling or forming an interfacial hydration layer. This reduces damage to the vascular wall, improves permeability and maneuverability, and lowers the risk of trauma and complications during interventional procedures. They are widely used in cardiovascular, neurointerventional, peripheral vascular, and urinary system catheter systems.

The medical catheter lubricating coating industry chain consists of upstream functional material and monomer suppliers, midstream coating technology and solution providers whose core competitiveness lies in formulation patents, interfacial bonding technology, and coating consistency control, and downstream medical catheter and interventional device manufacturers, ultimately applied in hospital interventional procedures. The

industry chain also includes key equipment suppliers and regulatory certification and testing institutions, forming a highly regulated medical device materials ecosystem with extremely high technological barriers.

With the continued rise in the global incidence of cardiovascular disease, stroke, and peripheral vascular disease, as well as the increasing proportion of minimally invasive interventional surgeries, the medical catheter lubrication coating market is in a stable growth phase. Demand is primarily driven by the reliance on "low-trauma, high-controllability" catheter systems for more complex vascular pathways. Meanwhile, the development of PFAS replacement, anti-thrombotic functionalization, long-lasting lubrication retention technology, and multifunctional composite coatings further promotes product upgrades. In the future, the industry will evolve towards "high durability, low particle shedding, controllable biocompatibility, and environmentally friendly fluorine-free" technologies, achieving higher penetration rates in neurointerventional, structural heart disease, and robotic interventional surgeries. It will maintain a high technological barrier and stable growth trajectory in the medical materials field in the long term.

This report is a detailed and comprehensive analysis for global Medical Catheter Lubricating Coating market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Medical Catheter Lubricating Coating market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Medical Catheter Lubricating Coating market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Medical Catheter Lubricating Coating market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Medical Catheter Lubricating Coating market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Medical Catheter Lubricating Coating

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Medical Catheter Lubricating Coating market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DSM-Firmenich, Surmodics, Harland Medical Systems, Biocoat, Teleflex Medical OEM, Surface Solutions Group, Industrielack AG, Jiangsu Biosurf Biotech, ISurTec, CUUMed Catheter Medical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Medical Catheter Lubricating Coating market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hydrophilic Lubricating Coating

Hydrophobic Lubricating Coating

Market segment by Performance Specifications

Ultra-low Friction Type (%oO%0.05 COF)

Medium Lubrication Type (0.05?0.15 COF)

Others

Market segment by Application

Cardiovascular Intervention

Neurointervention

Peripheral Vascular Intervention

Urinary System Catheters

Digestive System Catheters

Respiratory System Catheters

Others

Major players covered

DSM-Firmenich

Surmodics

Harland Medical Systems

Biocoat

Teleflex Medical OEM

Surface Solutions Group

Industrielack AG

Jiangsu Biosurf Biotech

ISurTec

CUUMed Catheter Medical

Hydromer

Duke Extrusion

AST Products

Terumo

Freudenberg Medical

Formacoat

Applied Plastics Coating Services

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Global Medical Catheter Lubricating Coating Market 2026 by Manufacturers, Regions, Type and Application, Forec...

Chapter 1, to describe Medical Catheter Lubricating Coating product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Medical Catheter Lubricating Coating, with price, sales quantity, revenue, and global market share of Medical Catheter Lubricating Coating from 2021 to 2026.

Chapter 3, the Medical Catheter Lubricating Coating competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Medical Catheter Lubricating Coating breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Medical Catheter Lubricating Coating market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Medical Catheter Lubricating Coating.

Chapter 14 and 15, to describe Medical Catheter Lubricating Coating sales channel, distributors, customers, research findings and conclusion.

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