

Global SERS Substrate Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G7EA0FF69F0EN.html>

Date: January 2024

Pages: 102

Price: US\$ 3,480.00 (Single User License)

ID: G7EA0FF69F0EN

Abstracts

According to our (Global Info Research) latest study, the global SERS Substrate market size was valued at USD 11 million in 2023 and is forecast to a readjusted size of USD 19 million by 2030 with a CAGR of 7.8% during review period.

The Surface-Enhanced Raman Spectroscopy (SERS) substrates enhances the Raman scattering light from molecules, making high-sensitive Raman spectroscopic analysis possible. Typical SERS substrates are roughened silver/copper/gold surfaces. The SERS technique requires adsorption of the analyte molecules onto the SERS substrate.

North America is the largest SERS Substrate market with about 36% market share. Europe is follower, accounting for about 34% market share.

The key players are HORIBA, Ocean Insight, Hamamatsu Photonics, Mesophotonics, Silmeco, Ato ID, Metrohm Raman, Enhanced Spectrometry, StellarNet etc. Top 3 companies occupied about 38% market share.

The Global Info Research report includes an overview of the development of the SERS Substrate industry chain, the market status of Biology & Medicine (Gold, Silver), Chemical Industry (Gold, Silver), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of SERS Substrate.

Regionally, the report analyzes the SERS Substrate markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global SERS Substrate market, with robust domestic demand, supportive policies, and a

strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the SERS Substrate market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the SERS Substrate industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Gold, Silver).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the SERS Substrate market.

Regional Analysis: The report involves examining the SERS Substrate market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the SERS Substrate market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to SERS Substrate:

Company Analysis: Report covers individual SERS Substrate manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards SERS Substrate This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Biology & Medicine, Chemical Industry).

Technology Analysis: Report covers specific technologies relevant to SERS Substrate. It assesses the current state, advancements, and potential future developments in SERS Substrate areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the SERS Substrate market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

SERS Substrate market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Gold

Silver

Other

Market segment by Application

Biology & Medicine

Chemical Industry

Food Industry

Other

Major players covered

HORIBA

Ocean Insight

Hamamatsu Photonics

Mesophotonics

Silmeco

Ato ID

Metrohm Raman

Enhanced Spectrometry

StellarNet

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:

Chapter 1, to describe SERS Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SERS Substrate, with price, sales, revenue and global market share of SERS Substrate from 2019 to 2024.

Chapter 3, the SERS Substrate competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SERS Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and SERS Substrate market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 SERS Substrate.

Chapter 14 and 15, to describe SERS Substrate sales channel, distributors, customers, research findings and conclusion.

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