

Global Surface Enhanced Raman Spectroscopy (SERS) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Surface Enhanced Raman Spectroscopy (SERS) market size was valued at US\$ 176 million in 2024 and is forecast to a readjusted size of USD 302 million by 2031 with a CAGR of 8.1% during review period.

Surface Enhanced Raman Spectroscopy (SERS) is a kind of surface sensitive technology that can enhance Raman scattering through molecules adsorbed on rough metal surfaces or nanostructures such as plasma magnetic silica nanotubes. Surface enhanced Raman spectroscopy (SERS) can detect individual molecules.

Global Surface Enhanced Raman Spectroscopy (SERS) key players include Horiba, Thermo, Renishaw, B&W Tek, etc. Global top four manufacturers hold a share over 60%.

North America is the largest market, with a share over 30%, followed by Europe and Asia-Pacific, both have a share about 60 percent.

In terms of product, Potable Type is the largest segment, with a share over 70%. And in terms of application, the largest application is Biology & Medicine, followed by Chemical Industry, Food, etc.

This report is a detailed and comprehensive analysis for global Surface Enhanced Raman Spectroscopy (SERS) 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 Surface Enhanced Raman Spectroscopy (SERS) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Surface Enhanced Raman Spectroscopy (SERS) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Surface Enhanced Raman Spectroscopy (SERS) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Surface Enhanced Raman Spectroscopy (SERS) market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K USD/Unit), 2020-2025

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 Surface Enhanced Raman Spectroscopy (SERS)

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 Surface Enhanced Raman Spectroscopy (SERS) 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 Horiba Jobin Yvon, Thermo, Renishaw, B&W Tek, Ocean Insight, WITec, JASCO, Real Time Analyzers? Inc, Sciaps, etc.

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

Market Segmentation

Surface Enhanced Raman Spectroscopy (SERS) market is split by Type and by Application. For the period 2020-2031, 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

- Desktop Type
- Potable Type

Market segment by Application

- Biology & Medicine
- Chemical Industry
- Food
- Others

Major players covered

- Horiba Jobin Yvon
- Thermo
- Renishaw
- B&W Tek
- Ocean Insight
- WITec
- JASCO
- Real Time Analyzers? Inc
- Sciaps

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 Surface Enhanced Raman Spectroscopy (SERS) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Surface Enhanced Raman Spectroscopy (SERS), with price, sales quantity, revenue, and global market share of Surface Enhanced Raman Spectroscopy (SERS) from 2020 to 2025.

Chapter 3, the Surface Enhanced Raman Spectroscopy (SERS) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Surface Enhanced Raman Spectroscopy (SERS) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Surface Enhanced Raman Spectroscopy (SERS) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Surface Enhanced Raman Spectroscopy (SERS).

Chapter 14 and 15, to describe Surface Enhanced Raman Spectroscopy (SERS) sales channel, distributors, customers, research findings and conclusion.

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