

# Global VOCs Gas Chromatograph 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 VOCs Gas Chromatograph market size was valued at US\$ 12930 million in 2024 and is forecast to a readjusted size of USD 21090 million by 2031 with a CAGR of 7.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Volatile Organic Compounds (VOCs) refers to the general term for organic chemical substances that are volatile at room temperature and pressure, with high vapor pressure, and the number of carbon atoms generally does not exceed 9. They mainly include various aliphatic and aromatic alkanes, alkenes, oxygenated hydrocarbons and halogenated hydrocarbons, such as benzene, toluene, dichloromethane, formaldehyde and ethyl acetate. VOCs are generally highly irritating and toxic, some of which are teratogenic, carcinogenic and mutagenic, and a considerable number of them have bad odors, are flammable and explosive, etc. Some VOCs are highly photochemically active and are important precursors of ozone and secondary organic aerosols. Halogenated hydrocarbon VOCs can destroy the ozone layer and cause global environmental problems such as the greenhouse effect. The large amount of VOCs emitted by industry and life have a great impact on human and biological health and the ecological environment. The VOCs online monitoring system is mainly aimed at monitoring and early warning of unorganized emissions of industrial waste gas (including organic waste gas), using advanced industrial sensor network technology, automatic control, wireless communication, geographic information system, database, etc. to monitor the

hazardous waste gas situation in chemical parks in real time, and realize the digital management of monitoring information from collection, transmission, analysis, processing to transmission and sharing, forming a perfect monitoring and early warning system, and promoting the modernization of environmental protection business management.

This report is a detailed and comprehensive analysis for global VOCs Gas Chromatograph 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 VOCs Gas Chromatograph market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global VOCs Gas Chromatograph market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global VOCs Gas Chromatograph market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global VOCs Gas Chromatograph market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/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 VOCs Gas Chromatograph

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 VOCs Gas Chromatograph 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 Shimadzu, Thermo Fisher Scientific, Graywolf Sensing Solutions, Gilbarco Veeder-Root, Hebei Sailhero Environmental Protection High-tech Co., Ltd., Lihe Technology (Hunan) Co., Ltd., Beijing Henghe Information and Technology Co., Ltd., Bay Environmental Technology (Beijing) Corp., Beijing SDL Technology Co.,Ltd., Focused Photonics (Hangzhou), Inc., etc.

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

## **Market Segmentation**

VOCs Gas Chromatograph 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

GC-FID

GC-SAW

GC-PID

GC- MS

### Market segment by Application

Petroleum and Petrochemicals

Automobile Manufacturing

Electronic Semiconductors

Pharmaceutical Manufacturing

Other

#### Major players covered

Shimadzu

Thermo Fisher Scientific

Graywolf Sensing Solutions

Gilbarco Veeder-Root

Hebei Sailhero Environmental Protection High-tech Co., Ltd.

Lihe Technology (Hunan) Co., Ltd.

Beijing Henghe Information and Technology Co., Ltd.

Bay Environmental Technology (Beijing) Corp.

Beijing SDL Technology Co.,Ltd.

Focused Photonics (Hangzhou), Inc.

Wuhan Tianhong Environmental Protection Industry Co., Ltd.

Beijing Yongsheng Dewei Trade Co., Ltd.

Tianjin Zwinsoft Technology Co., Ltd -

Henan Zhong An Electronic Detection Technology

Nanjing Zuoyeal Technology

Beijing BCT Technology

Mexcel-Marvelous

Changzhou Panna Instrument

Guangzhou Hexin Instrument

Shanghai Beifen Technology

Zhongke Sanqing Technology Co., Ltd.

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 VOCs Gas Chromatograph product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of VOCs Gas Chromatograph, with price, sales quantity, revenue, and global market share of VOCs Gas Chromatograph from 2020 to 2025.

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

Chapter 4, the VOCs Gas Chromatograph 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 VOCs Gas Chromatograph 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 VOCs Gas Chromatograph.

Chapter 14 and 15, to describe VOCs Gas Chromatograph sales channel, distributors, customers, research findings and conclusion.

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