

Global Gas Chromatography Systems Market – Product Types and End-Use Sectors

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Abstracts

Report Synopsis

Gas Chromatography (GC) is the most commonly used type of Chromatography, comprising mobile and stationary phases. The mobile phase is the inert gas, and the stationary phase is a column within the machine. GC is most widely used to separate volatile mixtures in industries, such as pharmaceuticals, agriculture, environmental, industrial, food & beverage and cosmetics & cleaning.

Pharmaceutical is and will remain the largest, as also the fastest growing, end-use sector for GC Systems because of the technique's significance in identifying & analyzing samples for the presence of chemicals or trace elements, separating compounds based on their element composition & molecular weight, detecting purity of mixture & unknown compounds and in drug development. Overall global market for GC Systems is estimated to be US\$3.1 billion in 2023 and is further projected to reach US\$4.4 billion by 2029.

Research Findings & Coverage

Global market for Gas Chromatography Systems is analyzed in this report with respect to product segments/sub-segments, end-use sectors, major geographic regions and key countries

Global market share analysis for GC Systems based on the segmentation mentioned above and current market size estimation, revenue projections for the analysis period through 2029

The study discusses major growth trends, R&D, technology updates, statutory regulations and emerging applications of GC Systems that influence the market growth

Key business trends focusing on product innovations/developments, capacity expansions, M&As, JVs and other recent industry developments by the major players

The report includes 267 charts/data tables covering market numbers by segment and regions with graphical representation for each table

Brief business profiles of major companies covered – 16

The industry guide includes the contact details for 171 companies

Product Outline

The market for product segments/sub-segments of Gas Chromatography Systems analyzed in this report includes:

Instruments

Autosamplers

Detectors

Fraction Collectors

Consumables & Accessories

Autosampler Accessories

Columns & Accessories

Fittings & Tubing

Flow Management & Pressure Regulator Accessories

Others

Global market for end-use sectors of Gas Chromatography Systems explored in this study includes:

Agriculture

Environmental Sciences

Food & Beverages

Petrochemical

Pharmaceutical

Others

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Gas Chromatography Systems market for the period 2020-2029 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2023 through 2029

Geographic Coverage

North America (The United States, Canada and Mexico)

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

Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)

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

Rest of World

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- Chromatotec (France)
- Cytiva (United Kingdom)
- GL Sciences Inc. (Japan)
- LECO Corporation (United States)
- Merck KGaA (Germany)
- OI Analytical (United States)
- Perkinelmer, Inc. (United States)
- Phenomenex, Inc. (United States)
- Restek Corporation (United States)
- Scion Instruments NL BV (Netherlands)
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LECO Corporation (United States)

OI Analytical (United States)

Perkinelmer, Inc. (United States)

Phenomenex, Inc. (United States)

Restek Corporation (United States)

SRI Instruments (United States)

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