

Chromatography Instruments Market Size, Share & Trends Analysis Report By Chromatography Systems (Liquid Chromatography, Gas Chromatography), By Consumables, By Accessories, By Application, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

This report can be delivered to the clients within 4 Business Days

Market Size & Trends

The global chromatography instruments market size was estimated at USD 9,822.6 million in 2023 and is projected to grow at a CAGR of 5.10% from 2024 to 2030. The growing pharmaceutical industry is expected to drive the market growth, as these instruments are extensively used in drug discovery, development, and quality control processes. Increasing investments in pharmaceutical R&D, particularly in emerging markets like Asia Pacific, are fueling the demand for chromatography instruments.

The rise of fields like proteomics and metabolomics, which study proteins and metabolites in biological systems, requires sophisticated chromatography instruments for analysis. Advancements in scientific research and the need for accurate and reliable instrumentation are driving the demand for chromatography instruments in the life sciences application.

Chromatography techniques, such as liquid chromatography-mass spectrometry (LC-MS) and gas chromatography-mass spectrometry (GC-MS), are widely accepted analytical methods in the drug approval process. Regulatory bodies like the FDA mandate the use of chromatography instruments for testing the strength, purity, quality,

and potency of drug products.

Liquid Chromatography is widely used in the pharmaceutical industry for drug purification, identification of active ingredients, and quality control. Moreover, High-Performance Liquid Chromatography (HPLC) is commonly used in protein separation, enzyme purification, plasma fractionation, and insulin purification.

Global Chromatography Instruments Market Report Segmentation:

This report forecasts revenue growth at global, regional & country levels and provides an analysis on the industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the chromatography instruments market report based on chromatography systems, consumables, accessories, application, and region:

Chromatography Systems Outlook (Revenue, USD Million; 2018 - 2030)

Liquid Chromatography

Gas Chromatography

Thin-Layer Chromatography

Supercritical Fluid Chromatography

Consumables Outlook (Revenue, USD Million, 2018 - 2030)

Columns

Solvents

Syringes

Others

Accessories Outlook (Revenue, USD Million, 2018 - 2030)

Column Accessories

Auto-Sampler Accessories

Pumps

Others

Application Outlook (Revenue, USD Million, 2018 - 2030)

Pharmaceutical firms

Clinical research organizations

Agriculture

Environmental Testing

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Asia Pacific

Japan

China

India

Australia

South Korea

Latin America

Brazil

Argentina

Middle East & Africa

South Africa

Saudi Arabia

UAE

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