

Global UPLC/HPLC and UHPLC Columns Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GE7DB1337D34EN.html>

Date: January 2026

Pages: 110

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

ID: GE7DB1337D34EN

Abstracts

According to our (Global Info Research) latest study, the global UPLC/HPLC and UHPLC Columns market size was valued at US\$ 2896 million in 2025 and is forecast to a readjusted size of US\$ 4372 million by 2032 with a CAGR of 6.2% during review period.

UPLC, HPLC, and UHPLC columns are high-performance chromatographic separation columns packed with specialized stationary phases used in analytical chemistry to separate, identify, and quantify compounds within complex mixtures; these columns differ by operating pressure capability and particle size?HPLC (3?10 ?m particles), UHPLC (?2 ?m particles), and UPLC (ultra-high-pressure LC)?offering progressively faster, higher-resolution, and more sensitive analysis for pharmaceuticals, biochemistry, food safety, environmental, and chemical research applications.

The UPLC/HPLC/UHPLC column industry chain begins upstream with suppliers of high-purity silica particles, bonded stationary phase chemicals, column tubing materials such as stainless steel, PEEK, and titanium, and advanced nanomaterials for core?shell structures; midstream manufacturers conduct silica synthesis, surface modification, bonding chemistry development, slurry packing, precision column assembly, column conditioning, and QC testing; downstream participants include chromatography instrument makers, distributors, analytical labs, pharma companies, regulatory testing bodies, universities, and research organizations, who rely on these columns for compound separation, quality control, and regulatory compliance, supported by global logistics, OEM partnerships, and scientific technical services.

Global chromatography column projects under construction include expansions of silica

production facilities, investments in advanced bonded phase R&D centers, and establishment of automated column-packing production lines by leading chromatography manufacturers; pharmaceutical-driven markets in North America, Europe, China, and India are accelerating capacity additions for UPLC/UHPLC columns due to growth in biopharma analytics and quality-by-design workflows; companies are also planning new manufacturing sites for metal-free column technologies, micro-bore columns, and high-pressure compatible hardware; universities and national labs are launching research programs focused on next-generation stationary phases, hybrid silica materials, and high-throughput chromatography solutions.

2025 Global Market Sales Volume is 6,700,000 unit, the Average Global Market Price is 420 USD per analytical column, and the Market Average Gross Profit Margin is 32%.

The global UPLC/HPLC/UHPLC column market continues to grow steadily as pharmaceutical, biopharmaceutical, and analytical industries increase their reliance on chromatographic separation techniques for quality control, regulatory compliance, and research. UHPLC and UPLC are expanding rapidly due to high-throughput analytical requirements and stronger regulatory expectations for sensitivity and resolution in drug and impurity analysis.

North America and Europe remain dominant markets because of their large biopharma industries and advanced analytical labs, while China and India are increasingly significant due to rapid expansion of CROs, CMOs, and generics manufacturing. The market sees strong demand from environmental and food testing sectors as global safety regulations tighten.

Technology trends include sub-2 μ m particles, core-shell technology for enhanced efficiency at lower backpressure, and the development of metal-free bio-inert columns for oligonucleotide, peptide, and monoclonal antibody analysis. Opportunities lie in biopharma analytics, metabolomics, and high-resolution impurity profiling, while risks include price competition in standard HPLC columns, dependency on highly pure silica supply, and regulatory changes affecting QC workflows. Competitive dynamics are shaped by strong brand loyalty, distribution networks, and performance differentiation among column chemistries.

Leading vendors emphasize innovation in stationary phase chemistry and high-pressure durability to support modern LC systems and increasingly complex analytical needs.

This report is a detailed and comprehensive analysis for global UPLC/HPLC and

UHPLC Columns 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 UPLC?HPLC and UHPLC Columns market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global UPLC?HPLC and UHPLC Columns market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global UPLC?HPLC and UHPLC Columns market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global UPLC?HPLC and UHPLC Columns market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 UPLC?HPLC and UHPLC Columns

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 UPLC?HPLC and UHPLC Columns 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 Agilent Technologies, Waters, Shimadzu, Merck, Thermo Fisher, Hamilton, Danaher, Mitsubishi Chemical, PerkinElmer, Nacalai Tesque, etc.

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

Market Segmentation

UPLC?HPLC and UHPLC Columns market is split by Type and by Application. For the period 2021-2032, 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

HPLC

UHPLC

UPLC

Market segment by Tech

Normal Phase Chromatography

Reverse Phase Chromatography

Ion Exchange Chromatography

Others

Market segment by Column Structure

Analytical Columns

Preparative Columns

Guard Columns

Capillary and Nano-LC Columns

Market segment by Application

Pharmaceutical

Clinic

Food & Beverage

Others

Major players covered

Agilent Technologies

Waters

Shimadzu

Merck

Thermo Fisher

Hamilton

Danaher

Mitsubishi Chemical

PerkinElmer

Nacalai Tesque

Daicel

Tosoh

Avantor

Osaka Soda

Resonac

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 UPLC?HPLC and UHPLC Columns product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of UPLC?HPLC and UHPLC Columns, with price, sales quantity, revenue, and global market share of UPLC?HPLC and UHPLC Columns from 2021 to 2026.

Chapter 3, the UPLC?HPLC and UHPLC Columns competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the UPLC?HPLC and UHPLC Columns breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and UPLC?HPLC and UHPLC Columns market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 UPLC?HPLC and UHPLC Columns.

Chapter 14 and 15, to describe UPLC?HPLC and UHPLC Columns sales channel, distributors, customers, research findings and conclusion.

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