

Chromatography Global Market – Forecast To 2024

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Abstracts

Chromatography is the one of the various separation techniques of analytical chemistry for the qualitative and quantitative separation of the sample mixture like biological or chemical compounds. The basic principle of the technique is that solute gets distributed between two phases- mobile phase and a stationary phase. The major technologies of this technique are Liquid Chromatography (LC), Gas Chromatography (GC), Supercritical Fluid Chromatography (SFC) and Thin Layer Chromatography. Chromatography has numerous applications across industries with major share in Pharma & Biotech industries. It is extensively used in biochemical research for the separation and detection of compounds of biological origin.

The global Chromatography market is poised to grow at a mid single digit CAGR to reach \$18,077.7 million by 2024. Chromatography market is mainly classified by Process type, Technology, Products and applications. The Chromatography global market is broadly classified as Preparative Chromatography and Process Chromatography based on Process type. Among preparative and process chromatography type, process chromatography occupied the major share in 2017 and is expected to grow at strong CAGR. Based on Technology, the market is classified into Liquid Chromatography (LC), Gas Chromatography, Supercritical Fluid Chromatography (SFC) and Thin Layer Chromatography (TLC). Among technology, liquid chromatography occupied the major share in 2017 and is expected to grow at a mid single digit CAGR. Liquid Chromatography market is further divide into High Performance Liquid Chromatography (HPLC), LC-MS and Other liquid chromatography technology. Among liquid chromatography global market, High Performance Liquid Chromatography (HPLC) market held the major share and LC-MS market is expected to grow at a highest CAGR.

Chromatography market is segmented on the basis of Products as Instruments, Consumables and Software & Services. Among chromatography products,

consumables occupied the major share in 2017. Chromatography Instruments global market is further segmented into Systems, Detectors, Pumps and other instruments. Among Instrument segment, chromatography systems commanded the major share of revenue. Detectors market is further classified into Liquid Chromatography (LC) detectors, Gas Chromatography (GC) detectors and SFC detectors.

Chromatography Consumables market is divided into Reagents, resins, columns and other consumables. Among chromatography consumables, reagents occupied the major share of in 2017 and are expected to grow at a high single digit CAGR.

Chromatography reagents market is further classified into Solvents, buffers, Derivatization Reagents and Ion-Pair reagents. Chromatography resins market is further segmented into Ion-exchange chromatography resins, Affinity chromatography resins, Hydrophobic Interaction chromatography (HIC) resins, Size Exclusion chromatography (SFC) resins and multimodal chromatography resins. Among chromatography resins, affinity chromatography resins held the maximum share in 2017.

Based on Technology, chromatography columns market is further divided into Liquid Chromatography (LC) columns, Gas Chromatography (GC) columns and SFC columns. LC columns occupied the major share of 62.5% in 2017 and are expected to grow at a strong CAGR. Based on packing type chromatography columns market is also segmented into pre-packed columns and empty columns. Among Chromatography Columns, by packing type, pre-packed columns held the major share in 2017.

Chromatography market application segment is classified into Pharma & Biotech Industries, environmental applications, food & beverage Industries, agricultural & chemical Industries, oil and petroleum industries and other applications. Among Chromatography applications, Pharma & Biotech Industries held the maximum share in 2017 and is expected to grow at a mid single digit CAGR.

Geographically, North America accounts for the highest market share followed by Asia-Pacific. The Asian countries especially China and India are the fastest growing regions. Asia-Pacific is projected to grow with a highest CAGR from 2017 to 2024.

Major players in Chromatography global market include Agilent Technologies Inc., (U.S.), Bio-Rad Laboratories (U.S.), Bruker Corporation (U.S.), Danaher Corporation (U.S.), GE Healthcare (U.S.), Merck KGaA (Germany), PerkinElmer Inc., (U.S.), Shimadzu Corporation (Japan), ThermoFisher Scientific (U.S.) and Waters Corporation (U.S.)

The report provides an in depth market analysis of the above mentioned segments across the following regions:

North America

Europe

Asia-Pacific

Rest of the World

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FIGURE 129 OTHER ASIA PACIFIC COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY TECHNOLOGY (2017 V/S 2024) (\$MN)

FIGURE 130 OTHER ASIA PACIFIC COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY PRODUCTS (2017 V/S 2024) (\$MN)

FIGURE 131 OTHER ASIA PACIFIC COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY APPLICATION (2017 V/S 2024) (\$MN)

FIGURE 132 ROW CHROMATOGRAPHY MARKET REVENUE, BY COUNTRY (2017 V/S 2024) (\$MN)

FIGURE 133 ROW CHROMATOGRAPHY MARKET REVENUE, BY PROCESS TYPE (2016 - 2024) (\$MN)

FIGURE 134 ROW CHROMATOGRAPHY MARKET REVENUE, BY TECHNOLOGY (2017) (\$MN)

FIGURE 135 ROW CHROMATOGRAPHY MARKET REVENUE, BY PRODUCTS (2016-2024) (\$MN)

FIGURE 136 ROW CHROMATOGRAPHY INSTRUMENTS MARKET REVENUE, BY SEGMENT (2017 V/S 2024) (\$MN)

FIGURE 137 ROW CHROMATOGRAPHY CONSUMABLES MARKET REVENUE, BY SEGMENT (2017 V/S 2024) (\$MN)

FIGURE 138 ROW CHROMATOGRAPHY MARKET REVENUE, BY APPLICATION (2017 V/S 2024) (\$MN)

FIGURE 139 BRAZIL CHROMATOGRAPHY MARKET REVENUE, BY PROCESS TYPE (2016 - 2024) (\$MN)

FIGURE 140 BRAZIL CHROMATOGRAPHY MARKET REVENUE, BY TECHNOLOGY (2017 V/S 2024) (\$MN)

FIGURE 141 BRAZIL CHROMATOGRAPHY MARKET REVENUE, BY PRODUCTS (2017 V/S 2024) (\$MN)

FIGURE 142 BRAZIL CHROMATOGRAPHY MARKET REVENUE, BY APPLICATION (2017 V/S 2024) (\$MN)

FIGURE 143 REST OF LATIN AMERICA CHROMATOGRAPHY MARKET REVENUE, BY PROCESS TYPE (2016 - 2024) (\$MN)

FIGURE 144 REST OF LATIN AMERICA CHROMATOGRAPHY MARKET REVENUE, BY TECHNOLOGY (2017 V/S 2024) (\$MN)

FIGURE 145 REST OF LATIN AMERICA CHROMATOGRAPHY MARKET REVENUE, BY PRODUCTS (2017 V/S 2024) (\$MN)

FIGURE 146 REST OF LATIN AMERICA CHROMATOGRAPHY MARKET REVENUE, BY APPLICATION (2017 V/S 2024) (\$MN)

FIGURE 147 MIDDLE EAST AND OTHER COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY PROCESS TYPE (2016 - 2024) (\$MN)

FIGURE 148 MIDDLE EAST AND OTHER COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY TECHNOLOGY (2017 V/S 2024) (\$MN)

FIGURE 149 MIDDLE EAST AND OTHER COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY PRODUCTS (2017 V/S 2024) (\$MN)

FIGURE 150 MIDDLE EAST AND OTHER COUNTRIES CHROMATOGRAPHY MARKET REVENUE, BY APPLICATION (2017 V/S 2024) (\$MN)

FIGURE 151 KEY GROWTH STRATEGIES, (2015 – 2017)

FIGURE 152 SWOT: AGILENT TECHNOLOGIES

FIGURE 153 SWOT: BIO-RAD LABORATORIES

FIGURE 154 SWOT: BURKER CORPORATION

FIGURE 155 SWOT: DANAHER CORPORATION

FIGURE 156 SWOT: GE

FIGURE 157 SWOT: MERCK KGAA

FIGURE 158 SWOT: PERKINELMER, INC.

FIGURE 159 SWOT: SHIMADZU CORPORATION

FIGURE 160 SWOT: THERMO FISHER SCIENTIFIC

FIGURE 161 SWOT: WATERS CORPORATION

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