

# STEMart Expands Comprehensive Portfolio of High-Performance Chromatography Columns for Precision Laboratory Separations

*STEMart announces the launch of Chromatography Columns to meet the rigorous demands of modern chemical analysis and purification.*

NEW YORK, NY, UNITED STATES, March 26, 2026 /EINPresswire.com/ -- [STEMart](#), a US-based provider of comprehensive services for all phases of medical device development, has announced the expansion of its product line with the launch of [Chromatography Columns](#). Designed to meet the rigorous demands of modern chemical analysis and purification, this new collection offers a diverse range of specifications tailored for researchers in pharmaceuticals, biotechnology, and environmental science.

Chromatography is a widely used laboratory analytical technique that separates mixtures into their components. It is based on the relative amounts of each solute distributed between the mobile and stationary phases. Chromatography has numerous applications in the biological and chemical sciences. It is widely used in biochemical research to separate and identify chemical compounds of biological origin. In the petroleum industry, the technique is used to analyze complex hydrocarbon mixtures. The types of chromatography include thin-layer chromatography, gas chromatography, ion chromatography, and paper chromatography.

Chromatography systems are widely used in biotechnology, ranging from small research laboratories to large manufacturing plants. When selecting a chromatography system, important considerations include the substance's chemical and physical properties, such as chemical reactivity, size, mass, and shape, as well as the laboratory's requirements, such as flow process, validation requirements, and sample tracking.

A chromatography column is a device used for separating chemical compounds. Essentially, it is a tube filled with a solid substance (the stationary phase) through which the liquid sample (the mobile phase) passes. The stationary phase is contained within the chromatography column, allowing the mobile phase to pass through it. Different types of chromatography columns are used in both gas and liquid chromatography. When choosing a chromatography column, you need to take into consideration the size of the column, the substance that makes up the stationary phase, and the temperature range you will be working with.

To accommodate purification requirements at various scales, STEMart has introduced a

comprehensive range of chromatography columns. This newly launched product series focuses on enhancing separation efficiency by offering multiple high-performance flash chromatography columns. Furthermore, these columns are meticulously designed to enable researchers to transition seamlessly from small-scale studies to large-scale preparative workflows.

For example, STEMart's Flash Chromatography Columns With Joint and PTFE Stopcock are general-purpose flash chromatography columns with a top outer joint and PTFE stopcock. The column's heavy-wall design provides added strength and stability when pressurized. In addition, the Chromatography Columns with Fritted Disc provided by STEMart are low-pressure flash chromatography columns. The column's thick-walled design improves safety when pressurized. The dead volume under the fritted disc is minimized to prevent separated liquids from mixing again. Each chromatography column comes with a PTFE stopcock.

For more information about STEMart's Chromatography Column offerings or to browse the full catalog, please visit <https://www.ste-mart.com/category-chromatography-columns-123.htm>.

## About STEMart

STEMart is an industry-leading eCommerce platform incorporated with an extensive global footprint and a broad portfolio of more than 10,000 products. It aims to provide better lab materials, medical instruments and consumables, excellent technologies, and high-quality services to global customers in the fields of science, technology, and engineering, from the discovery stage upward to the manufacturing process. STEMart is dedicated to enhancing research and biotech production with simpler and safer protocols to access better health worldwide.

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