

Flow Chemistry Market to Exceed US\$ 3.0 Billion Globally by 2023-2028 | CAGR of 9.6%

IMARC Group has recently released a new research study titled, The global flow chemistry market size reached US\$ 1.7 Billion in 2022.

UNITED STATES, March 14, 2023 /EINPresswire.com/ -- IMARC Group has recently released a new research study titled "Flow Chemistry Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028", The global flow chemistry market size reached US\$ 1.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.0 Billion by 2028, exhibiting a growth rate (CAGR) of 9.6% during 2023-2028. This report can serve as an excellent guide for investors, researchers, consultants, marketing strategists and all those who are planning to foray into the market in any form.

Flow chemistry is a process used for performing chemical reactions between reactive compounds in a single flowing stream. It is commonly employed for hydrogenation, oxidation, halogenation, and diazotization reactions. In this process, the compounds are pumped together in a vessel and flowed through a temperature-controlled pipe, chamber, or microreactor. It offers several advantages over traditionally used batch reactors, including faster, safer, and scalable reactions and cleaning products. As a result, flow chemistry finds extensive applications in the pharmaceutical, chemical, and petrochemical industries across the globe.

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Flow Chemistry Market Trends and Drivers:

The global flow chemistry market is primarily driven by rising product utilization in the chemical sector to manufacture bulk chemicals, providing greater control over mass and heat transfer rates, laminar flow conditions, and high volumetric productivity. Moreover, the surging adoption of microreactors in the pharmaceutical industry, as they provide safe processing conditions for highly toxic and hazardous reactions, is positively influencing the market growth. Additionally, the rising use of flow chemistry to synthesize various petrochemicals, including ethane, benzene, ethylene, and methane, has catalyzed market growth. Furthermore, numerous technological advancements, including the integration of highly automated flow synthesis systems with machine learning (ML) and sustainable manufacturing solutions, are contributing to market growth. Other factors, including ongoing research and development (R&D) activities, favorable

government policies promoting the use of biofuel, and rapid expansion of the chemical industry, are also anticipated to create a positive market outlook.

Report Segmentation:

The report has segmented the market into the following categories:

Breakup by Reactor:

- Continuous Stirred Tank Reactor
- Plug Flow Reactor
- Microreactor
- Microwave System
- Others

Breakup by Application:

- Pharmaceuticals
- Chemicals
- Academia and Research
- Petrochemicals
- Others

Market Breakup by Region:

- North America (United States, Canada)
- Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, Others)
- Europe (Germany, France, United Kingdom, Italy, Spain, Russia, Others)
- Latin America (Brazil, Mexico, Others)
- Middle East and Africa

Competitive Landscape with Key Player:

- AM Technology
- Chemtrix BV
- Corning Incorporated
- Ehrfeld Mikrotechnik GmbH
- FutureChemistry Holding B.V.
- HEL Ltd.
- Lonza Group AG
- Milestone Srl (Koch Media GmbH)
- Parr Instruments Company
- Syrris Ltd (Asahi Glassplant Inc.)

ThalesNano Inc.

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IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

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