

# Automated Liquid Handling Systems Market Dynamics, Growth And Key Players Aurora Biomed, Hamilton Company, Tecan Group

*Automated liquid handling systems are multipurpose tools designed to perform multiple tasks in laboratories*

SEATTLE, WASHINGTON, UNITED STATES, January 20, 2022 /EINPresswire.com/ -- New Research Study "[Automated Liquid Handling Systems Market](#) 2022 analysis by Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges and Investment Opportunities), Size, Share and Outlook" has been added to Coherent Market Insights.



Automated Liquid Handling Systems Market

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## Overview:

Automated liquid handling methods stand multipurpose instruments developed for accomplishing numerous duties in laboratories that contain combining, melding, and sample fluid specimens automatically. The automated liquid handling method promotes the elimination of specimen contamination and decreases manual labour of lab personnel by conducting several laboratory duties. These workstations can estimate samples, count reagents, and confirm the accumulation of fluids to bioassays in a consistent routine. The fluid handling workstations vary in the magnitude of specimens that can be controlled and are open with an assortment of combined software for maintaining the impression of the duties performed by these devices.

Major companies in the market are presenting portable and user-friendly fluid handling workstations that can be utilized in remote and mid-level lab units for sustaining the competitive market. Hamilton Robotics presented the NIMBUS PCR workstation in January 2014 at the annual Society for Laboratory Automation & Screening Conference. It is a reasonable and packed

workstation that authorizes a rapid and flexible assay setup. Furthermore, the Fluent Gx Automation workstation has introduced by Tecan Group Limited in February 2018, which is generated particularly for satisfying the strict requirements of clinical and regulated labs.

#### Market Dynamics:

Pharmaceutical organizations are concentrating on running several research and development movements additionally outsourcing such movements to educational and private research academies, which are growing the number of novel labs. It raises the need for fluid handling procedures, consequently boosting the growth of the global market. Furthermore, pharmaceutical establishments are mainly outsourcing their study to private contract research institutions (CRO) for keeping competition in the exponentially rising medication and biotechnology drugs industry. For example, an Indian pharmaceutical firm, Sun Pharma had declared its plans for raising its research by investing in their Madhya Pradesh lab unit. The developer of novel therapeutic products, Ritter Pharmaceuticals, Inc., had teamed up with the clinical analysis association, Medpace for running the initial stage of two pivotal Phase 3 clinical trials for RP-G28 among lactose-intolerant patients, in May 2018.

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Nevertheless, the mechanical fluid handling techniques are unreasonable for medical environments in arising economies and small-scale lab units due to their expensive price which is a primary fact hindering the market growth. Furthermore, strict manufacturing conditions for obtaining commercial authorization and market endorsements by different governmental institutes such as the FDA and European Commission raise the expenditures of these instruments. Moreover, the incorporation of Information Technology (IT) in lab discharge devices demands elevated manufacturing fees, showing the high expenses of these instruments. The inexpensive prospects are also available in portable structures that do not deliver precise and accountable test outcomes. Based on the report issued in 2013, by A2LA Certification Board and FDA, turning of leads due to outer aspects may provoke roughly 10% mistakes in pipetting precision in reasonable automated liquid handling techniques.

#### Regional Insights:

In the global Automated Liquid Handling Systems market, the North American regional market takes a bigger stake after that, the European market is accounted for the second bigger stake. It occurred due to the rapid expansion and release of new tissue mechanical and robotic-assisted fluid handling workstations in 2016. Hamilton Robotics presented NIMBUS PCR Workstation in January 2014. It is a portable and inexpensive pipetting workstation that is utilized for rapid and adjustable assay structure for endpoint, multiplex PCR, or qPCR, in real-time.

Likewise, several market players in the European region had got fundings from multiple public

and private resources for conducting cutting-edge research for developing pharmaceuticals via advanced study and invention. Novartis AG obtained a US\$ 300 million fund from the life sciences research investor Medicxi for the expansion of pristine technology and cures in the regions varying from diabetes administration to computerized surgery.

In addition, biopharmaceutical firms are concentrating on executing medical practice studies in the Asian market, due to manageable patient recruitment and the availability of highly experienced experts for performing analysis investigations. It has shown significant growth in research in the regional market. Such a growth rate in the research sector had anticipated driving the market development. Just like, in March 2017, Syngene and a regional pharmaceutical company in the Indian market, had collaborated with Herbalife Company for developing their new research and development lab in Bangalore, India.

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#### Competitive Analysis:

Significant companies working in the automated liquid handling systems market are attentive to the latest product take-offs. Qiagen and the International Commission of Missing Persons (ICMP) had established a next-generation DNA testing automated workflow in October 2017.

The major companies working in the market are Qiagen N.V., Aurora Biomed, Inc., Thermo Fisher Scientific Inc., Danaher Corporation, Agilent Technologies, Inc., Mettler-Toledo International Inc., Eppendorf AG, Bio-Rad Laboratories Inc., PerkinElmer, Inc., Corning, Inc., Tecan Group Ltd., and Hamilton Company.

#### Taxonomy:

##### By Product Type:

Automated Liquid Handling Workstation

Microplate Reagent Dispensers

Pipettes & Consumables

Others

##### By End User:

Biotechnological & Pharmaceuticals Companies

Hospitals & Diagnostic Centres

Research and Academic Institutes

Others

By Region:

North America

Africa

Asia Pacific

Europe

Latin America

Middle East

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