

# **Automated Liquid Handling Technologies Market Size, Trends, Analysis, and Outlook By Product (Automated Liquid Handling Workstations By Assembly, Automated Liquid Handling Workstations By Type, Reagents & Consumables), By Application (Drug Discovery & ADME-Tox Research, Cancer & Genomic Research, Bioprocessing/Biotechnology, Others), By End-User (Academic & Research Institutes, Pharmaceutical & Biotechnology Companies, Contract Research Organizations), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Automated Liquid Handling Technologies market size is poised to register 8.46% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Automated Liquid Handling Technologies market across By Product (Automated Liquid Handling Workstations By Assembly, Automated Liquid Handling Workstations By Type, Reagents & Consumables), By Application (Drug Discovery & ADME-Tox Research, Cancer & Genomic Research, Bioprocessing/Biotechnology, Others), By End-User (Academic & Research Institutes, Pharmaceutical & Biotechnology Companies, Contract Research Organizations).

The Automated Liquid Handling Technologies Market is experiencing significant growth and technological innovation driven by the increasing demand for high-throughput laboratory automation, precision liquid handling, and workflow efficiency in life science

research, drug discovery, and clinical diagnostics applications. Automated liquid handling technologies encompass a wide range of robotic systems, pipetting platforms, and liquid handling workstations designed to automate sample preparation, assay development, and compound screening processes, enabling researchers to streamline experimental workflows, reduce manual errors, and increase data reproducibility. Key trends include the integration of advanced robotics, microfluidics, and artificial intelligence (AI) algorithms into liquid handling systems to enhance throughput, accuracy, and flexibility in handling diverse sample types, volumes, and assay formats for genomics, proteomics, and cell-based assays. Additionally, there is a growing emphasis on user-friendly software interfaces, modular instrument configurations, and interoperable laboratory automation solutions to facilitate seamless integration with existing laboratory infrastructure, instrumentation, and informatics platforms. Moreover, collaborative research partnerships, technology transfer agreements, and industry standards are essential for driving innovation, validating automated liquid handling workflows, and accelerating the adoption of automated liquid handling technologies across academic, pharmaceutical, and biotechnology research laboratories, enhancing research productivity and accelerating scientific discovery in the life sciences.

### Automated Liquid Handling Technologies Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Automated Liquid Handling Technologies market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Automated Liquid Handling Technologies survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Automated Liquid Handling Technologies industry.

### Key market trends defining the global Automated Liquid Handling Technologies demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Automated Liquid Handling Technologies Market Segmentation- Industry Share, Market

## Size, and Outlook to 2030

The Automated Liquid Handling Technologies industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Automated Liquid Handling Technologies companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Automated Liquid Handling Technologies industry

Leading Automated Liquid Handling Technologies companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Automated Liquid Handling Technologies companies.

## Automated Liquid Handling Technologies Market Study- Strategic Analysis Review

The Automated Liquid Handling Technologies market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## Automated Liquid Handling Technologies Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Automated Liquid Handling Technologies industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Automated Liquid Handling Technologies Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Automated Liquid Handling Technologies Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Automated Liquid Handling Technologies market segments. Similarly, Strong end-user demand is encouraging Canadian Automated Liquid Handling Technologies companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Automated Liquid Handling Technologies market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe Automated Liquid Handling Technologies Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Automated Liquid Handling Technologies industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the

forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Automated Liquid Handling Technologies market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Automated Liquid Handling Technologies Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Automated Liquid Handling Technologies in Asia Pacific. In particular, China, India, and South East Asian Automated Liquid Handling Technologies markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Automated Liquid Handling Technologies Market Size Outlook- Continued urbanization and rising income levels**

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Automated Liquid Handling Technologies Market Size Outlook- continues its upward trajectory across segments**

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Automated Liquid Handling Technologies market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Automated Liquid Handling Technologies.

## Automated Liquid Handling Technologies Market Company Profiles

The global Automated Liquid Handling Technologies market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Agilent Technologies Inc, Analytik Jena AG, Aurora Biomed Inc, AUTOGEN Inc, BioTek Instruments Inc, Corning Inc, Danaher, Eppendorf AG, Formulatrix Inc, Gilson Inc, Hamilton Company, Hudson Robotics, LABCYTE INC, Lonza, METTLER TOLEDO, PerkinElmer Inc, QIAGEN, Tecan Trading AG, Thermo Fisher Scientific Inc

## Recent Automated Liquid Handling Technologies Market Developments

The global Automated Liquid Handling Technologies market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Automated Liquid Handling Technologies Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

Automated Liquid Handling Workstations (By Assembly)

-Standalone Workstations

-Integrated Workstations

Automated Liquid Handling Workstations (By Type)

-Multipurpose Workstation

-Pipetting Workstation

-Specialized Liquid Handler

-Workstation Module

-Standalone Workstations

Reagents & Consumables

-Reagents

-Accessories

By Application

Drug Discovery & ADME-Tox Research

Cancer & Genomic Research

Bioprocessing/Biotechnology

Others

By End-user

Academic & Research Institutes

Pharmaceutical & Biotechnology Companies

Contract Research Organizations

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Agilent Technologies Inc

Analytik Jena AG

Aurora Biomed Inc

AUTOGEN Inc

BioTek Instruments Inc

Corning Inc



Danaher

Eppendorf AG

Formulatrix Inc

Gilson Inc

Hamilton Company

Hudson Robotics

LABCYTE INC

Lonza

METTLER TOLEDO

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Formats Available: Excel, PDF, and PPT

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-Workstation Module

-Standalone Workstations

##### Reagents & Consumables

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Others

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Aurora Biomed Inc

AUTOGEN Inc

BioTek Instruments Inc

Corning Inc

Danaher

Eppendorf AG

Formulatrix Inc

Gilson Inc

Hamilton Company

Hudson Robotics

LABCYTE INC

Lonza

METTLER TOLEDO

PerkinElmer Inc

QIAGEN

Tecan Trading AG

Thermo Fisher Scientific Inc

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