

Liquid Handling Technology Market Size, Trends, Analysis, and Outlook By Product (Automated Workstations(Standalone Workstations, Integrated Workstations), Small Devices(Pipettes, Burettes, Dispensers, Others), Consumables(Reagents, Disposable Tips, Tubes & Plates, Others), By Type (Automated Liquid Handling, Manual Liquid Handling, Semi-automated Liquid Handling), By Application (Drug Discovery & & ADME-Tox Research, Cancer & Genomic Research, Bioprocessing/Biotechnology, Others), By End-user (Pharmaceutical & Biotechnology Companies, Contract Research Organization (CRO), Academic & Research Institutes), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/L636CAAB636EEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: L636CAAB636EEN

Abstracts

The global Liquid Handling Technology market size is poised to register 7.5% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Liquid Handling Technology market across By Product (Automated Workstations(Standalone Workstations, Integrated Workstations), Small Devices(Pipettes, Burettes, Dispensers, Others), Consumables(Reagents, Disposable Tips, Tubes & Plates, Others), By Type (Automated Liquid Handling, Manual Liquid Handling, Semi-automated Liquid

Handling), By Application (Drug Discovery & ADME-Tox Research, Cancer & Genomic Research, Bioprocessing/Biotechnology, Others), By End-user (Pharmaceutical & Biotechnology Companies, Contract Research Organization (CRO), Academic & Research Institutes).

The Liquid Handling Technology market is experiencing significant growth due to the increasing demand for automation and high-throughput screening in life sciences research, rising investments in drug discovery and genomics, and advancements in laboratory automation and robotics. Liquid handling technology encompasses a wide range of instruments and equipment used to dispense, transfer, and manipulate liquid samples in scientific laboratories, including pipettes, dispensers, automated liquid handlers, and robotics platforms. Factors such as the growing complexity and scale of laboratory workflows, the need for precision and accuracy in sample handling, and the expanding applications of liquid handling technology in drug development, clinical diagnostics, and biotechnology research are driving market growth. Additionally, advancements in microfluidics, lab-on-a-chip technology, and modular liquid handling systems, along with the development of integrated automation platforms and software solutions, are shaping the landscape of the liquid handling technology market. Moreover, the increasing adoption of multi-channel and electronic pipettes, the growing trend towards miniaturization and parallel processing, and the expanding use of liquid handling robots in high-throughput screening and assay development are driving market expansion. Furthermore, efforts to improve liquid handling accuracy, reduce sample and reagent waste, and enhance compatibility with diverse assay formats and laboratory workflows are expected to further accelerate market growth in the coming years.

Liquid Handling Technology 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 Liquid Handling Technology market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Liquid Handling Technology 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 Liquid Handling Technology industry.

Key market trends defining the global Liquid Handling Technology 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.

Liquid Handling Technology Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Liquid Handling Technology 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 Liquid Handling Technology companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Liquid Handling Technology industry

Leading Liquid Handling Technology 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 Liquid Handling Technology companies.

Liquid Handling Technology Market Study- Strategic Analysis Review

The Liquid Handling Technology 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.

Liquid Handling Technology Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Liquid Handling Technology 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.

Liquid Handling Technology 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 Liquid Handling Technology 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 Liquid Handling Technology market segments. Similarly, Strong end-user demand is encouraging Canadian Liquid Handling Technology companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Liquid Handling Technology market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

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

The German industry remains the major market for companies in the European Liquid Handling Technology 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 Liquid Handling Technology 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 Liquid Handling Technology 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 Liquid Handling Technology in Asia Pacific. In particular, China, India, and South East Asian Liquid Handling Technology 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 Liquid Handling Technology 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 Liquid Handling Technology 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 Liquid Handling Technology market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Liquid Handling Technology.

Liquid Handling Technology Market Company Profiles

The global Liquid Handling Technology 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., Danaher Corporation, Eppendorf SE., Gilson, Inc, Hamilton Company, PerkinElmer, Tecan Group Ltd., Thermo Fisher Scientific, Inc.

Recent Liquid Handling Technology Market Developments

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

Liquid Handling Technology 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 Workstations

-Standalone Workstations

-Integrated Workstations

Small Devices

-Pipettes

-Burettes

-Dispensers

-Others

Consumables

-Reagents

-Disposable Tips

-Tubes & Plates

-Others

By Type

Automated Liquid Handling

Manual Liquid Handling

Semi-automated Liquid Handling

By Application

Drug Discovery & & ADME-Tox Research

Cancer & Genomic Research

Bioprocessing/Biotechnology

Others

By End-user

Pharmaceutical & Biotechnology Companies

Contract Research Organization (CRO)

Academic & Research Institutes

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.

Danaher Corporation

Eppendorf SE.

Gilson, Inc

Hamilton Company

PerkinElmer

Tecan Group Ltd.

Thermo Fisher Scientific, Inc.

Formats Available: Excel, PDF, and PPT

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-Integrated Workstations

Small Devices

-Pipettes

-Burettes

-Dispensers

-Others

Consumables

-Reagents

-Disposable Tips

-Tubes & Plates

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By Type

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Thermo Fisher Scientific, Inc.

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