

Automated Liquid Handlers Market Size, Trends, Analysis, and Outlook By Application (Drug Discovery, Cancer and Genomic Research, Biotechnology, Others), By End-User (Contract Research Organizations, Pharmaceutical and Biotechnology, Academic and Research Institutes), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Automated Liquid Handlers market size is poised to register 10.86% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Automated Liquid Handlers market By Application (Drug Discovery, Cancer and Genomic Research, Biotechnology, Others), By End-User (Contract Research Organizations, Pharmaceutical and Biotechnology, Academic and Research Institutes).

The future of automated liquid handlers is characterized by advancements in robotics, microfluidics, and laboratory automation technologies aimed at enhancing precision, reproducibility, and throughput in liquid handling workflows for drug discovery, genomics, and proteomics research. Key trends include the development of modular and scalable liquid handling platforms with integrated robotic arms and pipetting heads for flexible and high-throughput sample processing, integration of advanced software algorithms and machine learning techniques for automated assay design and optimization, and customization of liquid handling protocols and assay formats to accommodate diverse experimental requirements and sample types. These advancements offer new possibilities for accelerating scientific discovery, reducing experimental variability, and increasing productivity in the future of laboratory automation and high-throughput screening..

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

Key market trends defining the global Automated Liquid Handlers 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 Handlers Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Automated Liquid Handlers 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 Handlers 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 Handlers industry

Leading Automated Liquid Handlers 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 Handlers companies.

Automated Liquid Handlers Market Study- Strategic Analysis Review

The Automated Liquid Handlers 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 Handlers Market Size Outlook- Historic and Forecast Revenue in Three Cases

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

Europe Automated Liquid Handlers 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 Handlers 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 Handlers 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 Handlers 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 Handlers in Asia Pacific. In particular, China, India, and South East Asian Automated Liquid Handlers 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 Handlers 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 Handlers 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 Handlers market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Automated Liquid Handlers.

Automated Liquid Handlers Market Company Profiles

The global Automated Liquid Handlers 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, Aurora Biomed Inc, Becton, Dickinson and Company, Brooks Automation Inc, Corning Inc, Danaher Corp, Endress Hauser Group Services AG, Eppendorf AG, Formulatrix Inc, Gilson Inc, Greiner Bio-One International GmbH, Hamilton Bonaduz AG, Hudson Robotics Inc, Lonza Group Ltd, Mettler Toledo International Inc, PerkinElmer Inc, QIAGEN NV, Synchron Lab Automation, Tecan Group Ltd, Thermo Fisher Scientific Inc.

Recent Automated Liquid Handlers Market Developments

The global Automated Liquid Handlers 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 Handlers 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 Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

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

Aurora Biomed Inc

Becton, Dickinson and Company

Brooks Automation Inc

Corning Inc

Danaher Corp

Endress Hauser Group Services AG

Eppendorf AG

Formulatrix Inc

Gilson Inc

Greiner Bio-One International GmbH

Hamilton Bonaduz AG

Hudson Robotics Inc

Lonza Group Ltd

Mettler Toledo International Inc

PerkinElmer Inc

QIAGEN NV

Synchron Lab Automation

Tecan Group Ltd

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

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By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

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By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

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 - Brooks Automation Inc
 - Corning Inc
 - Danaher Corp
 - Endress Hauser Group Services AG
 - Eppendorf AG

Formulatrix Inc
Gilson Inc
Greiner Bio-One International GmbH
Hamilton Bonaduz AG
Hudson Robotics Inc
Lonza Group Ltd
Mettler Toledo International Inc
PerkinElmer Inc
QIAGEN NV
Synchron Lab Automation
Tecan Group Ltd
Thermo Fisher Scientific Inc

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