

# **Lab Automation Market Size, Trends, Analysis, and Outlook By Product (Automated workstation, Automated integrated workstations, Pipetting systems, Reagent dispensers, Microplate washer, Multimode microplate readers, Filter based, Monochromator based, Hybrid, Single mode microplate readers, Fluorescence, Absorbance, Luminescence, Off the shelf automated workcells, Software, Robotic System, Automated storage retrieval systems, Others), By Application (Drug Discovery, Diagnostics, Genomic Solutions, Proteomics Solutions, Microbiology, Others), By End-User (Biotechnology And Pharmaceutical Companies, Hospital And Diagnostic Laboratories, Research And Academic Institutes, Forensic Laboratories, Environmental And Testing Laboratories, Food And Beverage Industry), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Lab Automation market size is poised to register 8.38% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry.

The industry study analyzes the global Lab Automation market across By Product (Automated workstation, Automated integrated workstations, Pipetting systems, Reagent dispensers, Microplate washer, Multimode microplate readers, Filter based, Monochromator based, Hybrid, Single mode microplate readers, Fluorescence, Absorbance, Luminescence, Off the shelf automated workcells, Software, Robotic System, Automated storage retrieval systems, Others), By Application (Drug Discovery, Diagnostics, Genomic Solutions, Proteomics Solutions, Microbiology, Others), By End-User (Biotechnology And Pharmaceutical Companies, Hospital And Diagnostic Laboratories, Research And Academic Institutes, Forensic Laboratories, Environmental And Testing Laboratories, Food And Beverage Industry).

The lab automation market is witnessing significant growth driven by the increasing demand for high-throughput screening and workflow efficiency, rising adoption of automation in research and clinical laboratories, and advancements in robotics and informatics. In 2024 and beyond, factors such as the growing application of automation in drug discovery and genomics research, expansion of sample processing and analysis capabilities, and rising emphasis on data integration and analysis drive market expansion. Additionally, the development of modular and scalable automation platforms, integration of AI and machine learning for predictive analytics, and collaborations between automation providers and research institutions contribute to market growth.

### Lab Automation 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 Lab Automation market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Lab Automation 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 Lab Automation industry.

### Key market trends defining the global Lab Automation 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.

### Lab Automation Market Segmentation- Industry Share, Market Size, and Outlook to

2030

The Lab Automation 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 Lab Automation companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Lab Automation industry

Leading Lab Automation 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 Lab Automation companies.

Lab Automation Market Study- Strategic Analysis Review

The Lab Automation 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.

Lab Automation Market Size Outlook- Historic and Forecast Revenue in Three Cases

*Lab Automation Market Size, Trends, Analysis, and Outlook By Product (Automated workstation, Automated integra...*

The Lab Automation 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.

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

### Europe Lab Automation Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

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

Lab Automation Market Company Profiles

The global Lab Automation 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 QIAGEN, Abbott, Agilent Technologies, Aurora Biomed Inc, Azenta US Inc, Becton, Dickinson and Company,

BIOMERIEUX, Danaher, Eppendorf SE and Labware, F. Hoffman Roche, Hamilton Company, Hudson Robotics, LabVantage Solutions Inc, PerkinElmer Inc, Siemens Healthcare, Tecan Trading AG, Thermo Fisher Scientific

## Recent Lab Automation Market Developments

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

## Lab Automation 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 workstation

Automated integrated workstations

Pipetting systems

Reagent dispensers

Microplate washer

Multimode microplate readers

Filter based

Monochromator based

Hybrid

Single mode microplate readers

Fluorescence

Absorbance

Luminescence

-Automated ELISA systems

-Automated nucleic acid purification system

Off the shelf automated workcells

-Pre analytical automation

-Post analytical automation

-Total lab automation

## Software

- LIMS

- ELN

- LES

- SDMS

## Robotic System

- Robotic Arm

- Track Robots

## Automated storage retrieval systems

## Others

### By Application

#### Drug Discovery

- ADME screening

- High throughput screening

- Compound management

- Compound weighing and dissolution

#### Others

#### Diagnostics

- Pre-analytics/sample preparation



-Sample distribution, splitting and archiving

-EIA

Genomic Solutions

Proteomics Solutions

Microbiology

Others

By End-User

Biotechnology And Pharmaceutical Companies

Hospital And Diagnostic Laboratories

Research And Academic Institutes

Forensic Laboratories

Environmental And Testing Laboratories

Food And Beverage Industry

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

QIAGEN

Abbott

Agilent Technologies

Aurora Biomed Inc

Azenta US Inc

Becton, Dickinson and Company

BIOMERIEUX

Danaher

Eppendorf SE and Labware

F. Hoffman Roche

Hamilton Company

Hudson Robotics

LabVantage Solutions Inc

PerkinElmer Inc

Siemens Healthcare

Tecan Trading AG

Thermo Fisher Scientific

Formats Available: Excel, PDF, and PPT

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Reagent dispensers  
Microplate washer  
Multimode microplate readers  
Filter based  
Monochromator based  
Hybrid  
Single mode microplate readers  
Fluorescence  
Absorbance  
Luminescence  
-Automated ELISA systems  
-Automated nucleic acid purification system  
Off the shelf automated workcells  
-Pre analytical automation  
-Post analytical automation  
-Total lab automation  
Software  
-LIMS  
-ELN  
-LES  
-SDMS  
Robotic System  
-Robotic Arm  
-Track Robots  
Automated storage retrieval systems  
Others  
By Application  
Drug Discovery  
-ADME screening  
-High throughput screening  
-Compound management  
-Compound weighing and dissolution  
Others  
Diagnostics  
-Pre-analytics/sample preparation  
-Sample distribution, splitting and archiving  
-EIA  
Genomic Solutions  
Proteomics Solutions

Microbiology

Others

By End-User

Biotechnology And Pharmaceutical Companies

Hospital And Diagnostic Laboratories

Research And Academic Institutes

Forensic Laboratories

Environmental And Testing Laboratories

Food And Beverage Industry

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QIAGEN

Abbott

Agilent Technologies

Aurora Biomed Inc

Azenta US Inc

Becton, Dickinson and Company

BIOMERIEUX

Danaher

Eppendorf SE and Labware

F. Hoffman Roche

Hamilton Company

Hudson Robotics

LabVantage Solutions Inc

PerkinElmer Inc

Siemens Healthcare

Tecan Trading AG

Thermo Fisher Scientific

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