

# Laboratory Automation Systems Market Size, Trends, Analysis, and Outlook By End-User (Pharmaceutical and biotechnology companies, Clinical and reference laboratories, Academic institutions and research organizations, Others), By Type (Equipment, Software and services), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/LFDE8954D793EN.html>

Date: March 2024

Pages: 190

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

ID: LFDE8954D793EN

## Abstracts

The global Laboratory Automation Systems market size is poised to register 5.93% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Laboratory Automation Systems market By End-User (Pharmaceutical and biotechnology companies, Clinical and reference laboratories, Academic institutions and research organizations, Others), By Type (Equipment, Software and services).

The future of laboratory automation systems is driven by advancements in robotics, artificial intelligence, and data integration aimed at improving efficiency, reproducibility, and scalability in laboratory workflows. Key trends include the development of modular automation platforms that enable seamless integration of various instruments, robotics, and software applications for sample handling, preparation, and analysis, streamlining complex experimental workflows and reducing manual errors. Additionally, there is a growing emphasis on the use of cloud-based automation platforms, remote monitoring capabilities, and predictive analytics algorithms for real-time monitoring, optimization, and troubleshooting of automated processes, enhancing operational efficiency and resource utilization in research, diagnostics, and biomanufacturing applications. Moreover, advancements in high-throughput screening, lab-on-a-chip technologies, and miniaturized automation systems are expanding the capabilities and accessibility of

laboratory automation across diverse scientific disciplines, driving continuous innovation and adoption of automation solutions in the global laboratory ecosystem..

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

## Key market trends defining the global Laboratory Automation Systems 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.

## Laboratory Automation Systems Market Segmentation- Industry Share, Market Size, and Outlook to 2030

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

## Key strategies adopted by companies within the Laboratory Automation Systems industry

Leading Laboratory Automation Systems 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 Laboratory Automation Systems companies.

### Laboratory Automation Systems Market Study- Strategic Analysis Review

The Laboratory Automation Systems 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.

### Laboratory Automation Systems Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Laboratory Automation Systems 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.

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

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

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

### Laboratory Automation Systems Market Company Profiles

The global Laboratory Automation Systems 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, Becton Dickinson and Co., Bee Robotics Ltd, Biosero Inc, Cognex Corp, Eppendorf SE, F. Hoffmann La Roche Ltd, Gilson Inc, LabVantage Solutions Inc, LabWare Inc, Olympus Corp, PerkinElmer Inc, QIAGEN N.V., SCINOMIX, Siemens AG, SPT Labtech Ltd, Tecan Trading AG, Thermo Fisher Scientific Inc.

### Recent Laboratory Automation Systems Market Developments

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

### Laboratory Automation Systems 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

Becton Dickinson and Co.

Bee Robotics Ltd

Biosero Inc

Cognex Corp

Eppendorf SE

F. Hoffmann La Roche Ltd

Gilson Inc

LabVantage Solutions Inc

LabWare Inc

Olympus Corp



PerkinElmer Inc

QIAGEN N.V.

SCINOMIX

Siemens AG

SPT Labtech Ltd

Tecan Trading AG

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Laboratory Automation Systems Market Overview and Key Findings, 2024
- 1.2 Laboratory Automation Systems Market Size and Growth Outlook, 2021- 2030
- 1.3 Laboratory Automation Systems Market Growth Opportunities to 2030
- 1.4 Key Laboratory Automation Systems Market Trends and Challenges
  - 1.4.1 Laboratory Automation Systems Market Drivers and Trends
  - 1.4.2 Laboratory Automation Systems Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Laboratory Automation Systems Companies

### 2. LABORATORY AUTOMATION SYSTEMS MARKET SIZE OUTLOOK TO 2030

- 2.1 Laboratory Automation Systems Market Size Outlook, USD Million, 2021- 2030
- 2.2 Laboratory Automation Systems Incremental Market Growth Outlook, %, 2021-2030
- 2.3 Segment Snapshot, 2024

### 3. LABORATORY AUTOMATION SYSTEMS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. LABORATORY AUTOMATION SYSTEMS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - 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  
4.3 Growth Prospects and Niche Opportunities, 2023- 2030  
4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Laboratory Automation Systems Market, 2025  
5.2 Asia Pacific Laboratory Automation Systems Market Size Outlook by Type, 2021-2030  
5.3 Asia Pacific Laboratory Automation Systems Market Size Outlook by Application, 2021- 2030  
5.4 Key Findings for Europe Laboratory Automation Systems Market, 2025  
5.5 Europe Laboratory Automation Systems Market Size Outlook by Type, 2021- 2030  
5.6 Europe Laboratory Automation Systems Market Size Outlook by Application, 2021-2030

- 5.7 Key Findings for North America Laboratory Automation Systems Market, 2025
- 5.8 North America Laboratory Automation Systems Market Size Outlook by Type, 2021-2030
- 5.9 North America Laboratory Automation Systems Market Size Outlook by Application, 2021- 2030
- 5.10 Key Findings for South America Laboratory Automation Systems Market, 2025
- 5.11 South America Pacific Laboratory Automation Systems Market Size Outlook by Type, 2021- 2030
- 5.12 South America Laboratory Automation Systems Market Size Outlook by Application, 2021- 2030
- 5.13 Key Findings for Middle East and Africa Laboratory Automation Systems Market, 2025
- 5.14 Middle East Africa Laboratory Automation Systems Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Laboratory Automation Systems Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

- 6.1 US Laboratory Automation Systems Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Laboratory Automation Systems Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Laboratory Automation Systems Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Laboratory Automation Systems Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Laboratory Automation Systems Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Laboratory Automation Systems Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Laboratory Automation Systems Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Laboratory Automation Systems Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Laboratory Automation Systems Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Laboratory Automation Systems Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts

- 6.20 China Laboratory Automation Systems Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Laboratory Automation Systems Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Laboratory Automation Systems Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Laboratory Automation Systems Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Laboratory Automation Systems Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Laboratory Automation Systems Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Laboratory Automation Systems Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Laboratory Automation Systems Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Laboratory Automation Systems Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Laboratory Automation Systems Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Laboratory Automation Systems Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Laboratory Automation Systems Industry Drivers and Opportunities

## **7. LABORATORY AUTOMATION SYSTEMS MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. LABORATORY AUTOMATION SYSTEMS COMPANY PROFILES**

- 8.1 Profiles of Leading Laboratory Automation Systems Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

Agilent Technologies Inc  
Becton Dickinson and Co.  
Bee Robotics Ltd  
Biosero Inc  
Cognex Corp  
Eppendorf SE  
F. Hoffmann La Roche Ltd  
Gilson Inc  
LabVantage Solutions Inc  
LabWare Inc  
Olympus Corp  
PerkinElmer Inc  
QIAGEN N.V.  
SCINOMIX  
Siemens AG  
SPT Labtech Ltd  
Tecan Trading AG  
Thermo Fisher Scientific Inc

## **9. APPENDIX**

9.1 Scope of the Report  
9.2 Research Methodology and Data Sources  
9.3 Glossary of Terms  
9.4 Market Definitions  
9.5 Contact Information

## I would like to order

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