

Global Lab Automation (TTA and TLA) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Lab Automation (TTA and TLA) market size was valued at USD 14160 million in 2023 and is forecast to a readjusted size of USD 21450 million by 2030 with a CAGR of 6.1% during review period.

Laboratory automation is a multi-disciplinary strategy to research, develop, optimize and capitalize on technologies in the laboratory that enable new and improved processes. There are two types of Lab automation: Task Targeted Automation (TTA) and Total laboratory automation (TLA). With TTA, a module will run specific process tasks, such as decapping and sorting. However, the samples then need to be transported by hand to the various analyzers, then taken back for post-analytics and last moved into refrigerated rooms. As you can easily imagine, all these steps are time-consuming and require the involvement of people. Also, they affect traceability, because with TTA samples will sometimes be left temporarily idle. With TLA solutions, all that changes: you simply load the samples in the form you require (in bulk or racks), and the TLA solution sees to the rest. The samples are prepared selectively; if necessary, they are decapped and centrifuged, and then sent on to the relevant analyzers, before being sealed, stored and disposed as required. This system saves on redundant, low-value activities, while also improving traceability - which means that you can be sure where every single sample has been and what has happened to it on the way. Naturally, improved quality and evolved utilization of resources have a direct, positive impact on patient safety and enterprise outcomes.

Global key players of lab automation (TTA and TLA) include Siemens Healthineers, Roche, Beckman Coulter, Thermo Fisher Scientific, Tecan, etc. The top five players

hold a share about 80%. North America is the largest producer, has a share about 44%, followed by China and Europe, with share 25% and 23%, respectively. The largest market is North America, with a share about 36%, followed by Europe and China, with share 27% and 17%, separately.

The Global Info Research report includes an overview of the development of the Lab Automation (TTA and TLA) industry chain, the market status of Biotechnology and Pharmaceutical Companies (Task Targeted Automation (TTA), Laboratory Automation (TLA)), Hospitals and Diagnostic Laboratories (Task Targeted Automation (TTA), Laboratory Automation (TLA)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Lab Automation (TTA and TLA).

Regionally, the report analyzes the Lab Automation (TTA and TLA) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Lab Automation (TTA and TLA) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Lab Automation (TTA and TLA) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Lab Automation (TTA and TLA) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Unit), revenue generated, and market share of different by Type (e.g., Task Targeted Automation (TTA), Laboratory Automation (TLA)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Lab Automation (TTA and TLA) market.

Regional Analysis: The report involves examining the Lab Automation (TTA and TLA) market at a regional or national level. Report analyses regional factors such as

government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Lab Automation (TTA and TLA) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Lab Automation (TTA and TLA):

Company Analysis: Report covers individual Lab Automation (TTA and TLA) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Lab Automation (TTA and TLA) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Biotechnology and Pharmaceutical Companies, Hospitals and Diagnostic Laboratories).

Technology Analysis: Report covers specific technologies relevant to Lab Automation (TTA and TLA). It assesses the current state, advancements, and potential future developments in Lab Automation (TTA and TLA) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Lab Automation (TTA and TLA) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Lab Automation (TTA and TLA) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Task Targeted Automation (TTA)

Laboratory Automation (TLA)

Separate Automation Equipment

Market segment by Application

Biotechnology and Pharmaceutical Companies

Hospitals and Diagnostic Laboratories

Research and Academic Institutes

Major players covered

Siemens Healthineers

Roche

Beckman Coulter

Thermo Fisher Scientific

Mettler Toledo

Tecan

Hamilton Company

Mindray

Qiagen

BD

IDS

Anton Paar

Inpeco

Perkinelmer

Eppendorf

Biomerieux

Autobio

Abbott

Shanghai Kehua Bio-Engineering

Beijing Strong Biotechnologies

Maccura Biotechnology

Ailex Technology Group

Shenzhen New Industries Biomedical Engineering

YHLO

Tellgen Corporation

Sichuan Orienter Bioengineering

DIRUI

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Lab Automation (TTA and TLA) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lab Automation (TTA and TLA), with price, sales, revenue and global market share of Lab Automation (TTA and TLA) from 2019 to 2024.

Chapter 3, the Lab Automation (TTA and TLA) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lab Automation (TTA and TLA) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Lab Automation (TTA and TLA) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Lab Automation (TTA and TLA).

Chapter 14 and 15, to describe Lab Automation (TTA and TLA) sales channel, distributors, customers, research findings and conclusion.

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