

Benchtop Automation Market Size, Trends, Analysis, and Outlook By Application (Sample preparation, Liquid dispensing, Cell-based arrays, Others), By End-User (Pharmaceutical and Biotechnological Companies, Clinical and Reference Laboratories, Research Institutes, Others), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/B37AF8C08982EN.html>

Date: March 2024

Pages: 190

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

ID: B37AF8C08982EN

Abstracts

The global Benchtop Automation market size is poised to register 5.23% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Benchtop Automation market across By Application (Sample preparation, Liquid dispensing, Cell-based arrays, Others), By End-User (Pharmaceutical and Biotechnological Companies, Clinical and Reference Laboratories, Research Institutes, Others).

The Benchtop Automation Market is experiencing notable growth and technological innovation in 2024 and beyond, driven by the increasing demand for laboratory automation solutions, robotic platforms, and high-throughput screening technologies to streamline experimental workflows, improve data accuracy, and accelerate scientific discovery in life science research, drug discovery, and clinical diagnostics applications. Benchtop automation systems encompass a diverse range of robotic workstations, liquid handling platforms, and assay automation instruments designed to automate routine laboratory tasks, such as sample processing, assay setup, and data analysis, enabling researchers to increase experimental throughput, reduce hands-on time, and enhance experimental reproducibility. Key trends include the integration of advanced robotics, modular instrument configurations, and software-driven automation workflows to provide flexible, user-friendly solutions for diverse laboratory applications, from

genomics and proteomics to drug screening and cell-based assays. Additionally, there is a growing emphasis on open-source automation platforms, interoperable instrument interfaces, and cloud-based data management solutions to facilitate seamless integration with existing laboratory infrastructure, informatics systems, and collaborative research networks. Moreover, collaborative partnerships between laboratory automation providers, research institutions, and industry consortia are essential for promoting standards-based automation protocols, fostering technology innovation, and accelerating the adoption of benchtop automation solutions, enhancing research productivity, and scientific innovation in the life sciences.

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

Key market trends defining the global Benchtop 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.

Benchtop Automation Market Segmentation- Industry Share, Market Size, and Outlook to 2030

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

Key strategies adopted by companies within the Benchtop Automation industry

Leading Benchtop 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 Benchtop Automation companies.

Benchtop Automation Market Study- Strategic Analysis Review

The Benchtop 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.

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

The Benchtop 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.

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

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

Benchtop Automation Market Company Profiles

The global Benchtop 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 ABBOTT Diagnostics, Agilent Technologies, Aurora Biomed Inc, Beckmann Coulter Inc, Biom?rieux Sa, Biotek Instruments Inc, Caliper Life Sciences, CyBio AG, Eppendorf, Hamilton Robotics Inc, Hewlett Packard, Hudson Robotics, Labcyte Inc, Logos Biosystems Inc, PerkinElmer Inc, Promega Corp, Qiagen N.V., Roche Holding AG, Sartorius AG, Siemens Healthcare, Tecan Group Ltd, Thermo Fisher Scientific Inc

Recent Benchtop Automation Market Developments

The global Benchtop Automation market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions,

product approvals, and other updates in the industry.

Benchtop 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 Application

Sample preparation

-qPCR setup

-Next-gen sequencing

-Nucleic acid extraction

Liquid dispensing

Cell-based arrays

Others

By End-User

Pharmaceutical and Biotechnological Companies

Clinical and Reference Laboratories

Research Institutes

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

ABBOTT Diagnostics

Agilent Technologies

Aurora Biomed Inc

Beckmann Coulter Inc

Biom?rioux Sa

Biotek Instruments Inc

Caliper Life Sciences

CyBio AG

Eppendorf

Hamilton Robotics Inc

Hewlett Packard

Hudson Robotics

Labcyte Inc

Logos Biosystems Inc

PerkinElmer Inc

Promega Corp

Qiagen N.V.

Roche Holding AG

Sartorius AG

Siemens Healthcare

Tecan Group Ltd

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

Benchtop Automation Market Size, Trends, Analysis, and Outlook By Application (Sample preparation, Liquid disp...

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Liquid dispensing

Cell-based arrays

Others

By End-User

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ABBOTT Diagnostics

Agilent Technologies

Aurora Biomed Inc

Beckmann Coulter Inc

Biom?rieux Sa

Biotek Instruments Inc

Caliper Life Sciences

CyBio AG

Eppendorf

Hamilton Robotics Inc

Hewlett Packard

Hudson Robotics

Labcyte Inc

Logos Biosystems Inc

PerkinElmer Inc

Promega Corp

Qiagen N.V.

Roche Holding AG

Sartorius AG

Siemens Healthcare

Tecan Group Ltd

Thermo Fisher Scientific Inc

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