

Global Automation in Biopharma Industry Market Size study & Forecast, by Technology (Automation Technology, Digitization Technology), by Application (Clinical Phase, Drug Discovery Phase, Production Phase), by Component (Automation Hardware, Automation Software, Services Project Phase, Services Operation Phase), by Automation Technology (Supervisory Control and Data Acquisition (SCADA), Distributed Control Systems (DCS), Programmable Logic Controllers (PLC), Manufacturing Execution System (MES), Human-machine Interface (HMI), Advanced Process Control (APC), Others) by Digitization Technology (Internet of things (IoT), Artificial Intelligence (AI), Digital Twin Technology, Augmented Reality (AR) and Virtual Reality (VR), Predictive Analytics, Cloud Computing) and Regional Analysis, 2023-2030

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Abstracts

Global Automation in Biopharma Industry Market is valued at approximately USD 1784.1 million in 2022 and is anticipated to grow with a healthy growth rate of more than 5.7% over the forecast period 2023-2030. Automation in the biopharma industry refers to the use of advanced technologies and software to automate various processes in the

biopharmaceutical manufacturing and research sector. This includes automation of laboratory workflows, manufacturing processes, quality control, and data analysis. Automation in the biopharma industry aims to improve the efficiency, speed, and accuracy of these processes while also reducing errors and minimizing human intervention. The automation can involve the use of robots, sensors, artificial intelligence, and other advanced technologies to streamline the production process and increase productivity. The market growth is driven by key factors such as technological Advancements to Improve Product Safety and increasing need for machine flexibility.

Pharmaceutical companies stated they planned to adopt automated solutions more frequently, to the extent of 75%. Along with a lack of available labor, this is primarily driven by the trend toward injectables and more customized medications. Customized doses and products like pre-filled syringes put a strain on pharmaceutical production systems. In addition, there has been a surge in demand for telehealth and telemedicine after the Covid-19 epidemic began in 2020. Telemedicine primarily focuses on remote clinical services, but telehealth also covers remote non-clinical services. Since the pandemic, more individuals have adopted new working and living practices; as a result, this trend is anticipated to continue gaining speed. By 2026, it is predicted that the worldwide telemedicine industry would expand from \$68.36 billion to \$218.49 billion. Furthermore, EndeavorRx, which received FDA clearance in 2020, is the first and only video game therapy. The game, which requires a prescription, is meant to help youngsters with ADHD who are 8 to 12 years old increase their attention span. 73% of participants in clinical investigations stated their ability to pay attention had improved. Moreover, robotics is Valuable for Biopharma Operations, and research and Development Through Automation of Lab Processes are opportunities to enhance the market growth in the projected period. However, High Initial Investment Costs stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Automation in Biopharma Industry Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is dominating the market growth owing to the expansion of the pharmaceutical automation market in the N will be aided by the development of R&D facilities for the manufacturing of therapeutic drugs and expertise in novel drug formulation, as well as the region's growing geriatric population and incidence of chronic illnesses.

Major market player included in this report are:

PerkinElmer, Inc.

AMETEK, Inc.

Autodesk, Inc.
Baumueller-Nuermont Corp
Emerson Electric Co.
Kawasaki Robotics
RheoSense Inc.
Rockwell Automation, Inc.
Sartorius Stedim Biotech SA
Siemens Healthineers

Recent Developments in the Market:

February 2023, Siemens Healthineers and Unilabs agreed to a multi-year for more than USD 212.3 million. To upgrade its laboratory infrastructure and offer unmatched client service, Unilabs has invested in top-tier Siemens Healthineers technology and will purchase more than 400 laboratory analyzers.

In September 2022, Cellaca® PLX Image Cytometry System was unveiled by PerkinElmer, Inc. It is a groundbreaking benchtop platform that enables researchers to evaluate numerous Critical Quality Attributes (CQAs) of cell samples in a single automated process, including cell identification, quality, and number.

Global Automation in Biopharma Industry Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Technology, Application, Component, Automation Technology, Digitization Technology, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Automation Technology

Digitization Technology

By Application:

Clinical Phase

Drug Discovery Phase

Production Phase

By Component:

Automation Hardware

Automation Software

Services Project Phase

Services Operation Phase

By Automation Technology:

Supervisory Control and Data Acquisition (SCADA)

Distributed Control Systems (DCS)

Programmable Logic Controllers (PLC)

Manufacturing Execution System (MES)

Human-machine Interface (HMI)

Advanced Process Control (APC)

Others

By Digitization Technology:

Internet of things (IoT)

Artificial Intelligence (AI)

Digital Twin Technology

Augmented Reality (AR) and Virtual Reality (VR)

Predictive Analytics

Cloud Computing

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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