

Global Laboratory Robotics Market to Reach USD 527.56 Million by 2031 | Astute Analytica

Global laboratory robotics market generated a revenue of USD 289.3 million in 2022 and is projected to attain a value of US\$ 527.56 million by 2031

CHICAGO, CA, UNITED STATES, September 20, 2024 /EINPresswire.com/ -- The global [laboratory robotics market](#) is on a significant growth trajectory, having generated a revenue of USD 289.3 million in 2022. According to recent market research, this market is projected to attain a remarkable value of USD 527.56 million by 2031, reflecting a robust compound annual growth rate (CAGR) of 7.0% during the forecast period from 2022 to 2031.



For more information, visit <https://www.astuteanalytica.com/request-sample/laboratory-robotics-market>

This growth can be attributed to the increasing demand for automation in laboratory settings, where efficiency and accuracy are paramount. Laboratory robotics enhances workflow processes, reduces human error, and speeds up research and development activities, making it an indispensable tool across various sectors, including pharmaceuticals, biotechnology, and academic research.

Key Market Drivers:

1. Increasing Demand for Automation:

Laboratory settings are increasingly adopting automation to improve efficiency and accuracy. The demand for laboratory robotics is driven by the need for faster and more precise results in research and development activities.

- **Automation of Repetitive Tasks:** Laboratory robotics can automate tasks and processes, freeing up scientists and technicians for other tasks. They can also work faster and more accurately than humans, increasing the efficiency and productivity of the laboratory as a whole.

- **Laboratory robotics can improve the accuracy and precision of experiments and data collection, thanks to their repeatability and lack of human error.**
- **Automating tasks with laboratory robotics can save the laboratory money in the long run, as robots are cheaper to operate than humans.**
- **Robots can work in hazardous environments without putting human workers at risk. They can also handle dangerous chemicals and materials safely.**
- **Laboratory robotics can be programmed to carry out a wide range of tasks, making them very versatile. This flexibility allows laboratories to tailor their robotic systems to their specific needs.**

Challenges

- **Laboratory robotics are expensive and this is another major factor restraining their adoption across global laboratory robotics market. The high cost of these systems is due to the use of advanced technologies and components.**
- **There is a lack of trained personnel who can operate and maintain these sophisticated systems. This is another key challenge faced by the manufacturers of laboratory robotics.**
- **The stringent regulations related to the use of laboratory animals are also restraining the growth of the laboratory robotics market.**

For more information on the Laboratory Robotics Market, visit our website: <https://www.astuteanalytica.com/industry-report/laboratory-robotics-market>

Key market drivers include advancements in robotic technology, rising investments in research and development, and the growing emphasis on precision in laboratory operations. Moreover, the integration of artificial intelligence (AI) and machine learning (ML) in laboratory robotics is set to further boost market expansion by enabling smarter and more adaptable systems.

- AB Controls
- Aerotech
- Anton Paar
- Aurora Biomed
- Biosera
- Chemspeed Technologies

- Cleveland Automation Engineering
- Hamilton Robotics
- HighRes Biosolutions
- Hudson Robotics
- Labman
- PerkinElmer Inc.
- Protodyne (LabCorp)
- Siemens AG
- ST Robotics
- Tecan Group
- Thermo Fisher Scientific
- Universal Robots
- Yaskawa Electric
- Other Prominent Players

□□ □□□□:

- Low-Cost Laboratory Robotics
- Biological Laboratory Robotics
- Pharmaceutical Laboratory Robotics
- Molecular Laboratory
- Others

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- Drug Discovery
- Clinical Diagnosis
- Microbiology Solutions
- Genomics Solutions
- Proteomics Solutions

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- Clinical Laboratories
- Research Laboratories
- Biotechnology and Pharmaceutical companies
- Hospitals and Diagnostic Laboratories
- Research and Academic Institutes
- Forensic Laboratories
- Environmental Testing Laboratories
- Food and Beverage Industry

□□ □□□□□□:

- North America
 - o The US
 - o Canada
 - o Mexico

- 南美洲

- o The UK
- o Germany
- o France
- o Italy
- o Spain
- o Poland
- o Russia
- o Rest of Europe

- 東亞 東南亞

- o China
- o India
- o Japan
- o Australia & New Zealand
- o ASEAN
- o Rest of APAC

- 中東 北非 & 南亞

- o UAE
- o Saudi Arabia
- o South Africa
- o Rest of MEA

- 南美洲 南美洲

- o Argentina
- o Brazil
- o Rest of South America

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