

Laboratory Automation Market Research Report Forecast to 2030

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Report description:

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Market Overview

Laboratory Automation Market is anticipated to register a CAGR of 8.15% during the forecast period. There are various variables driving the market development. The most conspicuous market impetuses incorporate the rising Research and development ventures and rising reception of laboratory automation frameworks.

Biotechnology and drug organizations are making huge interests in Research and development to meet the developing necessities of medical care. Expanding interests in Research and development exercises have encouraged an interest in laboratory automation frameworks and programming. Laboratory automation helps increment the productivity of the clinical laboratory's work process, bringing about a better yield on speculation (return for money invested) through decreased costs and expanded throughput, which further can possibly save lives.

In addition, labs are continually embracing innovation, including new gear, and programming. Laboratory automation includes using programming that mechanizes hardware and robots to work with insignificant human oversight, which further develops effectiveness and the nature of results. Automation in the laboratory can assist patients with getting better treatment more rapidly.

Market Segmentation

The Laboratory Automation Market segmentation, based on product type, includes automated workstations, robotic systems, software & informatics, and others. Automated workstation is further divided into automated liquid handling, microplate readers, automated Elisa systems, and automated nucleic acid purification systems. Software & informatics is segmented into electronic laboratory notebook, workstation/unit automation software, scientific data management system, and laboratory information management system.

Based on process, the market is classified into continuous flow and discrete processing. Discrete processing is further divided into the method, components, and workflow. The method type is further bifurcated into discrete centrifugal and random-access discrete processing.

Based on application the market is classified into clinical diagnostics, genomics solutions, proteomics solutions, drug discovery, and others. Based on end user, the Laboratory Automation Market is segmented into biotechnology & pharmaceutical companies, hospitals & diagnostic laboratories, and research & academic institutes.

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Regional Insights

North America is credited to the rising interest in drug disclosure, rigid FDA guidelines, and the presence of enormous drug organizations, like Johnson and Johnson (US), Pfizer Inc. (US), F. Hoffmann-La Roche AG (Switzerland), Merck and Co., Inc. (US), and others.

Europe Laboratory Automation Market represents the second-biggest market share because of deep rooted medical services foundation in nations like Germany, France, the UK, and others, which has prompted an expansion in the reception of advanced mechanics and laboratory automation frameworks in the locale.

The Asia-Pacific laboratory automation market is supposed to develop at a huge offer from 2022 to 2030. This is because of the elements like further developing medical care framework, an ascent in the quantity of drug organizations, and a flood in mindfulness about cutting edge laboratory automation frameworks supporting the market development.

Major Players

Key Companies in the Laboratory Automation Market are Beckman Coulter, Inc. (US), QIAGEN N.V. (Germany), Thermo Fisher Scientific, Inc. (US), Agilent Technologies, Inc. (US), Tecan Trading AG (Switzerland), BioMerieux SA (France), Siemens Healthineer (Germany), PerkinElmer Inc. (US), Hamilton Company (US), and Hoffmann-La Roche Ltd (Switzerland).

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