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Mining Laboratory Automation - Global Market Outlook (2020-2028)

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Abstracts

According to Stratistics MRC, the Global Mining Laboratory Automation market is accounted for $369.30 million in 2020 and is expected to reach $497.69 million by 2028 growing at a CAGR of 3.8% during the forecast period. Some of the key factors propelling the market growth include shift from traditional practices to automation, new and innovative solutions, rising need to enhance productivity and improve workers' safety, and the deployment of automation, AI, and robotics is rapidly increasing. However, higher initial setup costs for overall module is restricting the market growth.

Laboratory automation automates the routine laboratory procedures and the use of dedicated workstations and software, and program instruments, which allows the associate scientists and technicians to deploy their resources and innovations towards experimentation and designing of useful follow-up projects, instead of spending their days performing tasks of tedious repetition. The automation of laboratory functions in the mining industry reduces the requirement of human labor in the work environment, reducing human errors. Automation not only lowers errors but also improves efficiency and accuracy in most cases.

By product, the laboratory information management systems (LIMS) segment is projected to grow at the significant rate during the forecast period. A Laboratory information management system (LIMS) is software that allows professionals or scientist to manage samples, test results and associated data to improve lab productivity. It aids standardize workflows, tests and procedures, while providing accurate controls of the process. They ensure product standards, quality control and environmental safety standards as well as to improve productivity and meet regulatory needs. Mining laboratories need to cover a broad range of testing regimes ranging from rare earths and base metals to gemstones. Also, mining and metal processing

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laboratories need to control their processes with a sophisticated laboratory information management system (LIMS) such as CCLAS 6.

On the basis of geography, North America region is expected to have considerable market growth during the forecast period, due to the technology adoption across various industries. The growing mining industry in the region has further augmented the growth opportunities for the adoption of lab automation solutions in the industry. Canada is also geologically endowed with natural resources. According to NRCan, the country holds the first position in potash production, second position in uranium and diamond production, and the third position in aluminum production. Moreover, Canada has one of the lowest effective tax rates among the international mining jurisdictions. Its flow-through shares mechanism, along with the mineral exploration tax credit and some provincial measures, is recognized for its innovative approach for stimulating mineral exploration, thus driving the players to invest in the market.

Some of the key players in Mining Laboratory Automation Market include Datech Scientific Ltd., Intertek Group PLC, Nucomat, HERZOG Automation Corp., FLSmidth A/S, Bruker Corporation, Rocklabs (SCOTT Group), Thermo Fisher Scientific Inc., Online LIMS Canada Limited, Malvern Panalytical Ltd., and GE Energy.

Products Covered:

Container Laboratory

Robotics

Automated Analyzers and Sample Preparation Equipment

Laboratory Information Management Systems (LIMS)

Regions Covered:

North America

US

Canada

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- Mexico

Europe

- Germany
- France
- Italy
- UK
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile

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Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter’s five forces analysis, SWOT analysis, etc.

Strategic recommendations in key business segments based on the market estimations

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- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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