Lab Automation Market to reach valued at $5,052 million and Grow at a 6.4% CAGR to 2020

Lab Automation Global Market – The research report highlights market research and industry analysis driven by in-depth business relevant news.

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From ages, across industries, laboratories are an integral part of manufacturing and scientific research organizations. The main goal of research and diagnostic labs is to provide high quality and reliable experimental information that fulfills the industry needs. The constant use of manual and isolated systems hampers the data quality during transferring process. Now-a-days, advancement in technologies and increasing pressure to deliver results has led to the use of automated systems in laboratories. Automated systems are being adapted in huge scale because of its accuracy, advanced data management capacity and reduced repetitiveness.

At present, scientific research areas are making use of automated systems which are in need of secure informatics platform where experimental data can be stored and exchanged flexibly. Indeed, ELN support this huge requirement in automated industry. For instance, Seattle Genetics E-Workbook supports broad range of scientific discipline by securing and managing research data.

The global Laboratory Automation market is valued to be $3,456 million in 2014 and poised to grow at a CAGR of 6.4% to reach $5,052 million by 2020. The laboratory automation market is classified based on technology, process (hardware and software), application, end users and geography. The lab automation by technology is further segmented into total laboratory automation and modular automation (Pre-analytical automation systems, Post-analytical automation systems, Unit automation solutions). The laboratory automation market by end users is divided into academic and research institutes, hospitals and laboratory diagnostics, biotech and pharmaceutical companies and other end users, which include nonprofit organizations and commercial labs.

The laboratory automation market by process divided into hardware and software systems. The hardware segment further includes automated liquid handling systems, compound management, plate readers, and robotic systems which includes sample transportation systems, specimen handling systems. The software segment consists of Laboratory Information Management Systems (LIMS), Electronic Laboratory Notebooks (ELN), Laboratory Executive Systems (LES), Chromatography Data Management System (CDMS) and Scientific Data Management Systems (SDMS).

The application of lab automation market is classified into clinical diagnostic laboratories, drug discovery and development, bioresearch, forensic and other applications. Further, the automation market is classified by geographical regions into North America, Europe, Asia-pacific and Rest of the World.

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