Global Market Study on Cleanroom Technology: Consumables to Witness Highest Growth by 2020

Description: Cleanroom technology is used for the manufacture of aseptic medical goods or for research and development purposes. Cleanroom refers to an enclosed space maintained in such a way so as to reduce contamination during processing. They can control the concentration of airborne particles such as particulates (including dust, hair, and skin), chemicals (including oil, grease, metal ions, and vapors), microorganisms (including bacteria, and fungus), and radiations (including ultraviolet radiations). Temperature, humidity, pressure, electrostatic charge, magnetic flux, and other factors inside a cleanroom can also be manipulated as per the need. Various equipment, such as high-efficiency particulate air (HEPA) filters, fan filter units, heating, ventilation, and air conditioning (HVAC) systems, air diffusers and showers, laminar air flow systems, and bio-safety cabinets, are used to maintain aseptic conditions inside a cleanroom. Cleanroom consumables can be segmented into safety consumables and cleaning consumables.

North America dominates the global cleanroom technology market. This is due to improved healthcare infrastructure and technological advancements. Asia is expected to experience a high growth rate in the global cleanroom technology market in the future. This is due to improving healthcare infrastructure, rising popularity of certified products, and increasing adoption of cleanroom technology by the healthcare industry in Asian countries.

Various factors such as increasing demand for better quality products and safety of the working personnel are driving the global cleanroom technology market. Additionally, increasing demand for sterilized pharmaceutical formulations, and development of new biologics and its wide applications in the medical devices industry are propelling the growth of the cleanroom technology market. However, lack of skilled professionals and high cost associated with the setup and maintenance of cleanrooms are restraining the growth of the global cleanroom technology market.

This report provides in-depth analysis and estimation of the global cleanroom technology market for the period from 2014 to 2020, considering 2013 as the base year for the calculation. In addition, data pertaining to current market dynamics including market drivers, restraints, trends, and strategic developments have been provided in the report. The cleanroom technology market is categorized on the basis of type, equipment, consumables, applications, construction, and geography. Based on the type, the global cleanroom technology market can be classified into cleanroom equipment and cleanroom consumables. Based on equipment, the global cleanroom technology market can be classified into Fan Filter Units (FFU), HVAC Systems, Laminar Air Flow Systems and Biosafety Cabinets, HEPA Filters, and Air Diffusers and Showers. Based on consumables, the global cleanroom technology market can be classified into safety consumables comprising apparels, gloves, and others, and cleaning consumables comprising vacuum systems, wipes, disinfectants, and others. Based on applications, the global cleanroom technology market can be classified into pharmaceutical, biotechnology, medical devices, and others. Based on construction, the global cleanroom technology market can be classified into standard/drywall cleanrooms, hard wall cleanrooms, soft wall cleanrooms, and terminal boxes/pass-through cabinets.

In the geographical analysis, the report identifies and analyses the market size and forecast for North America, Europe, Asia, and Rest of the World (RoW). Some of the major players in the cleanroom technology market are Azbil Corporation, Kimberly-Clark Corporation, Taikisha Ltd., Illinois Tool Works, Inc., Royal Imtech N.V., Ardmac, Ltd., M+W Group, Clean Air Products, E.I. Du Pont De Nemours And Company, and Alpiq Group. These key market players have been profiled on the basis of attributes such as company overview, recent developments, growth strategies, sustainability, and financial overview.

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