Global Warehouse Robotics Market - By Type, Vendors and Geography Forecasts and Trends (2015 - 2020)

Description: The Global Warehouse Robotics Market is projected to reach USD 10.34 billion by 2020, at a CAGR of 11.5% during the forecast period from 2015 to 2020. The manufacturing industry had open-heartedly welcomed mechanization and automation in the late 20th century. Today, robotics is not only restricted to manufacturing, but has had many achievements in the area of applications as well.

The global warehouse robotics market is segmented on the basis of type into articulated robots, gantry robots, robotic arms, and mobile robots. On the basis of function, the market has been segmented into storage, trans-shipments, assembling & disassembling, packaging, and others. On the basis of vertical, the market has been segmented into food & beverage, automotive, textile, electronic & electrical, and others. Lastly, on the basis of geography, the market has been segmented into North America (United States, Canada, Others), Europe (United Kingdom, Germany, France, others), Asia-Pacific (China, Japan, India, others), Middle East & Africa (United Arab Emirates, Saudi Arabia, South Africa, others), and Latin America (Mexico, Brazil, Argentina, others).

Warehouse is the most crucial part of the entire supply chain process. This is where the products transit from the production facility, identified, sorted, and consequently tagged to be stored in a recorded location until ordered. This has made it necessary to move mechanization and automation into the warehouse, revolutionizing warehouse business to help the companies reduce overhead costs, and increase productivity with consistency and accuracy, wherein artificial intelligence has helped achieve this particular task. The adoption of this technology has already commenced, and is mainly driven by the intense competition between the brick-and-mortar stores and online stores, as online retailers are trying hard to reduce the time it takes to deliver items to their customers.

The basic functions of a warehouse are receiving, identifying & sorting, dispatching to storage, placing in storage, retrieving from storage, order picking, packing, shipping, and record keeping. Based on these functions, the warehouse robotics or material handling (MH) robotic equipment can be classified into articulated robots, gantry robots, robotic arms and mobile robots, wherein each one of these performs a specific function.

The major drivers to pace up the warehouse robotics market are the ability to simplify and to reduce time consumed in the functions, while boosting reliability, accuracy, and engaging low work force, and thus ensuring the reduction of costs and augmenting productivity. The major restraint towards the adoption of this technology is the cost involved, which the vendor companies are trying to bring down to increase the adoption rate of this technology.

Major Companies that are associated with warehouse robotics are ABB Robotics, Foxconn Technology Group, Kiva Systems, Scape Technologies, Seegrid, SSI Schaefer, Swisslog, Teun, and Vigilant Robots.

Key Deliverables in the Study:

Market analysis for the Global Warehouse Robotics, with region specific assessments and competition analysis on global and regional scales
Market definition along with the identification of key drivers and restraints
Identification of factors instrumental in changing the market scenarios, rising prospective opportunities, and identification of key companies that can influence this market on a global and regional scale
Extensively researched competitive landscape section with profiles of major companies along with their market shares
Identification and analysis of the macro and micro factors that affect the global warehouse robotics market on both global and regional scales
A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information
A wide-ranging knowledge and insights about the major players in this industry and the key strategies adopted by them to sustain and grow in the studied market
Insights on the major countries/regions in which this industry is blooming and to also identify the regions
that are still untapped

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