Warehouse Robotics Market: By Type (Fixed: Conveyors, Gantry, Palletizers, Others) Functions (Storage, Sortation, Packaging, Others) Industry (Automotive, Electronics and Electricals, Food & Beverages, Pharmaceutical, Others) Forecast (2015-2020)

Description: Robotics is a combination of different engineering skills for the application of robots. Robots are the artificial agent which obey human orders, protect its existence without harming the environment. They operate using devices as sensors, controllers, cameras, software modules, and locomotors. Robotics can be classified into industrial robotics and service robotics.

Warehouse Robots are the one used for activities such as palletizing, replenishment, assembling, disassembling, consolidation, sortation, packaging, labeling, inspection, storage etc. The warehouse robotics is segmented on the basis of type, function, industry with geography. Robotic arms, Gantry robots, Picking Carousels, Labelers, Conveyors, Automatic Guided Vehicle (AGV), Robotic Forklifts, and Palletizers are some robots used for warehousing activities. In wide range of industries such as Food and Beverage, Automotive, Paper and Print, Medical, Defense, Pharmaceutical, Textile, Chemical, Ports, Automated Retail, Electrical and Electronics, Mining, Construction, Plastic and Rubber, Oil and Gas, Agriculture and at Airport is the application of these robots are found. Sales of such robot are estimated to grow at 11.3% CAGR.

In last 10 decades Warehouse Robotics has found to be growing and expanding their Function in different Industries. While we talk about Warehouse Robotics Function in regions like U.S., China, Japan, India, Europe etc., are countries upgrading the technology, sophisticated automation and giving rise to the robotic Functions in industry such as Warehouse Robotics.

Key drivers of warehouse robotics market will include reduced space utilization, reduced labor turnover, improved product quality, improved production output, reduced operating costs, and improved product flexibility.

The above figure illustrates the current market revenue share by geographic regions for the Warehouse Robotics market. As shown, North America, South America, Europe and APAC has multiple players due to increasing Manufacturing Industries in APAC, Automotive in Europe, etc. has led in demand for warehouse automation and thereby increasing demand for Warehouse Robotics Market.

Robotic Automation in the Industry has observed a strong growth in last decade, with 179,000Industrial Robots Shipped and Installed in 2013, this accounts to the growth by 12% compared to previous year. Growth of Industrial Robotics will see a linear growth by 2020 and is expected to grow at a CAGR 11.3%, this growth will have a impressive impact on warehouse robotics market by 2020.

Competitive landscape for each of the product types is highlighted and market players are profiled with attributes of company overview, financial overview, business strategies, product portfolio and recent developments. Market shares of the key players for 2012 are provided.

The prominent players profiled in this report are:

- ABB Ltd. (U.S.),
- Fanuc Corp (Japan),
- ATS Automation Tooling System Inc. (Canada),
- Gudel Pvt. Ltd. (Europe),
- Nachi Fujikoshi Corp. (Japan),
- Pari Robotics, Inc (India) etc.

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