

Global Warehouse Robotics Market 2017 Size, Development Status, Type and Application, Segmentation, Forecast by 2022

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Executive Summary

Warehouse Robots are the autonomous machines which are programmed for various material handling tasks carried out to efficiently stock the raw materials, semi-finished and final products in storage sites. There are various types of mobile and fixed robots which synchronously work for conveying the inventories across the warehouse. Industrial automation impregnating into several industries has fuelled the deployment of these robotic systems for efficient manoeuvre of the inventories across the warehouse floor.

The multichannel supply chain strategy is an increasing trend in the current times, particularly among the retail sector. Under this strategy, the companies are aiming at creating an "in-house" distributing facility for order fulfillment operations, thus saving significant costs on distribution performance. This has resulted in rapid penetration of automation technologies in warehouses.

Warehouse Robots are designed specifically to cater to functions including storage, sorting, assembling and disassembling, trans-shipment, distribution, replenishment, packaging, labeling, inspection, consolidation and so on. Mobile robots such as Automated Guided Vehicles (AGVs) and Fixed Robots including Gantry, Articulated, and so on are incorporated at various locations in a warehouse and these functions in coordination to serve the aforesaid applications. The employment of these robots depends on the several factors including type of materials, workload, capacity of storage facility and so on. So for detailed study the market is further segmented by end-user industries including food and beverage, automotive, paper and print, medical, defense, pharmaceutical, airport, textile, chemical, ports, automated retail, electrical and electronics, mining, construction, plastic and rubber, oil and gas and agriculture.

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Warehouse Robotics Market

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The report also comprises of the analysis of [warehouse robotics](#) market by geographic regions including Americas, Europe, Asia Pacific and Rest of the World. The labor cost is highly significant in the total warehouse operating cost, making generally 60%-65% of the total warehouse operating cost. The presence of both direct and indirect staff coupled along with department managers presents a crucial cost in operating a warehouse. Thus, the automation of warehouses has become a notable means to tackle the rising wages and workforce age at least in developed nations.

The key players in the warehouse robotics/automation market include

SSI Schafer (Germany),
Daifuku Co., Ltd. (Japan),
Dematic Corp. (U.S),
KUKA AG (Germany)
Vanderlande Industries Inc. (U.S).

The methodology for estimating the Warehouse Robotics involved the conventional utilization of robots supply and demand in the industries. There are several associations such as IFR, JARA, BARA, RIA and many others that have been referred as authentic sources to determine the industrial robots supply in the past. All the industrial locations were then further identified with operations synonymous to warehouse activities and the addressable market for Warehouse Robots was estimated. Simultaneously, the companies involved at component, manufacturing, integration and distribution level were also studied from the perspective of their product portfolio, geographical presence, annual turnover and few other parameters to substantiate the estimations. All these estimations were further validated via a thorough primary research with industry experts.

For further information on this report, visit - <https://www.wiseguyreports.com/enquiry/1654026-warehouse-robotics-market-by-type-fixed-conveyors-gantry-palletizers-others-functions>

Table of Contents

Warehouse Robotics Market - Market Overview

Warehouse Robotics Market - Executive Summary

Warehouse Robotics - Market Landscape

3.1. Market Share Analysis

3.2. Comparative Analysis

3.2.1. Product Benchmarking

3.2.2. End User Profile

3.2.3. Patent Analysis

3.2.4. Top Five Financials Analysis

Warehouse Robotics - Market Forces

4.1. Market Drivers

4.1.1. Multichannel Supply-Chain Strategy in Retail to Drive the Warehouse Robots Market

4.1.2. Rising Labor Costs Amidst the Aging Workforce to Boost the Warehouse Robots Demand

4.1.3. Leasing of Material Handling Equipment Paving New Avenues for the Warehouse Robots Market

4.2. Market Constraints

4.2.1. Lack of Interest among Warehouse Operators to Restrain the Growth of Warehouse Robots

4.2.2. Delayed Return on Investment (ROI) Model Constricting the Emergence of Robotics in Warehouses

4.3. Market Challenges

4.3.1. High Initial Adoption Costs to Restrict the Market Development

4.3.2. Limited Flexibility of Robots for Handling SKUS Posing Challenge for Warehouse Robotics

4.4. Attractiveness of the Warehouse Robotics Market

4.4.1. Power of Suppliers

4.4.2. Power of Customers

4.4.3. Threats from New Entrants

4.4.4. Threat of Substitution

4.4.5. Degree of Competition

Warehouse Robotics Market - Strategic Analysis

5.1. Value Chain Analysis

5.2. Pricing Analysis

5.3. Opportunities Analysis

5.3.1. E-Commerce Operations to Fuel Warehouse Robots Demand

5.3.2. Navigation Systems and Gripping Techniques Used in Mobile Robots Will Enhance the Efficiency of Warehouse Operations.

5.4. Product Life Cycle Analysis

5.5. Material Handling Systems Supplier Analysis

Warehouse Robotics Market - By Type of Robots

6.1. Introduction

6.2. Fixed Robots

6.3. Mobile Robots

Continued...

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Norah Trent

WiseGuy Research Consultants Pvt. Ltd.

+1 646 845 9349 / +44 208 133 9349

email us here

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