+44 20 8123 2220
info@marketpublishers.com

Warehouse Robotics Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028FSegmented By Software (Warehouse Management System, Warehouse Control System, Warehouse Execution Systems), By Type (Mobile Robots, Articulated Robots, Cylindrical Robots, Scara Robots, Parallel Robots, Cartesian Robots), By Payload (0.5 Kg to 10 Kg, 11 Kg to 80 Kg, 81 Kg to 180 Kg, 181 Kg to 300 Kg, 301 Kg to 900 Kg, More than 900), By Function (Pick & Place, Assembling & Dissembling, Transportation, Packaging), By Vertical (E-Commerce, Automotive, Electricals and Electronics, Chemical, Rubber & Plastics, Food and Beverages, Pharmaceutical, Others), By Region and Competition

https://marketpublishers.com/r/W9884A636EB3EN.html
Date: October 2023
Pages: 174
Price: US$ 4,900.00 (Single User License)
ID: W9884A636EB3EN

Abstracts

The global warehouse robotics market is expected to grow at a high CAGR during the forecast period. Warehouse robotics is an emerging field that is transforming the way warehouses and distribution centers operate. As technology continues to advance, warehouse robotics are becoming more sophisticated, autonomous, and efficient. As labor shortages become more prevalent in many parts of the world, warehouse operators are turning to robotics to automate repetitive and labour-intensive tasks, such as picking, packing, and palletizing, to improve efficiency and productivity. Increasing

adoption of multichannel supply chain strategies, rising demand for effective and efficient workload distribution, increasing technological advancements, growing number of players in the retail sector, and increasing government expenditure on automation infrastructure development are some factors, that will propel the demand for warehouse robotics over the next five years. The rapid growth of e-commerce has increased the demand for faster, more accurate, and more efficient order fulfilment. Warehouse robotics can enable warehouses to handle the increased volume of orders and meet customer expectations for faster delivery times. Robotics technology has been rapidly advancing, with improvements in sensors, artificial intelligence (AI), machine learning, and gripper technology. These advancements have made warehouse robotics more capable of handling complex tasks, navigating dynamic environments, and working alongside human workers safely. Warehouse operators are looking for ways to reduce operational costs, including labor costs, and improve profitability. Warehouse robotics can help achieve cost savings by increasing efficiency, reducing errors, and optimizing warehouse layout and space utilization.

Growth Of E-Commerce Is Fueling the Market Growth

The growth of e-commerce has been a significant driver for the global warehouse robotics market. The rise of online shopping has created an increased demand for efficient and automated warehousing solutions to meet the growing fulfillment needs of online orders. Warehouse robotics, which includes various types of autonomous machines and systems designed to handle tasks such as order picking, packing, sorting, and transportation of goods within a warehouse or fulfillment center, has emerged as a key technology to optimize warehousing operations and improve supply chain efficiency.

E-commerce has witnessed tremendous growth over the past decade, and the trend has been further accelerated by the COVID-19 pandemic. With more consumers shopping online, e-commerce companies are facing higher order volumes, which require faster and more accurate order fulfillment processes. Warehouse robotics, such as automated picking and packing systems, can significantly increase the speed and accuracy of order processing, helping e-commerce companies to meet the growing demand.

While the initial investment in warehouse robotics can be significant, it can result in long-term cost savings for e-commerce companies. Automated systems can operate 24/7, which increases warehouse productivity and reduces labor costs over time. Additionally, warehouse robotics can optimize warehouse space utilization, reduce inventory holding

costs, and minimize errors, leading to improved profitability for e-commerce businesses.

Accuracy and order quality are critical factors in e-commerce fulfillment. Mistakes in order picking, packing, and shipping can result in customer dissatisfaction, returns, and additional costs. Warehouse robotics can offer high precision and accuracy in order processing, reducing errors and improving order quality, resulting in increased customer satisfaction and repeat business.

E-commerce companies need to be agile and able to adapt to changing market demands. Warehouse robotics provide scalability and flexibility, allowing e-commerce businesses to quickly scale up or down their operations based on market dynamics. Automated systems can be easily reprogrammed or reconfigured to handle different types of products, order volumes, or fulfillment processes, providing operational flexibility and adaptability.

In conclusion, the growth of e-commerce has been a driving force behind the adoption of warehouse robotics, as it offers numerous benefits such as increased order processing speed, improved accuracy, cost savings, and scalability. As e-commerce continues to grow, the demand for warehouse robotics is expected to increase further, driving innovation and advancement in the field of robotics for warehousing and fulfillment operations.

Increased productivity and efficiency Significantly Driving the Market Growth

Warehouse robotics can significantly increase productivity and efficiency by automating repetitive tasks, reducing errors, and optimizing warehouse operations. This can lead to faster order fulfillment, improved inventory accuracy, and higher throughput and warehouse robotics that can improve workplace safety by automating hazardous or physically demanding tasks. AI and machine learning are being used to improve the capabilities of warehouse robotics, such as object recognition, path planning, and task optimization. AI-powered robotics can continuously learn and adapt to changing warehouse environments, making them more efficient and effective over time. Warehouse robotics are increasingly being connected to the cloud, allowing for remote monitoring, control, and data analysis. Cloud connectivity enables real-time tracking of robots, predictive maintenance, and optimization of warehouse operations.

Increase In Automation Across Various Verticals Globally

There is a continuous increase in automation across various verticals, globally. Several

+44 20 8123 2220
info@marketpublishers.com

large-scale and small-scale industries have made automation a key component of their cost-cutting and production-efficiency strategies. The use of warehouse robotics is growing as more businesses are shifting toward automation. Warehouse robotics are used in various industries, such as e-commerce, automotive, electricals and electronics, chemical, rubber & plastics, food & beverages, pharmaceutical, for pick & place, assembling & dissembling, transportation, packaging, and other applications. The adoption of warehouse robotics is increasing because of the rapidly changing human-machine interface (HMI), which is made possible by introducing touch screens, larger screens, higher resolution, remote monitoring capabilities using advanced processors, and IIOT.

High Requirement for Skilled Workforce

Over the last decade, manufacturers have found it more challenging to hire employees to complete their factories' specialized tasks. The presence of automation adds another layer to the dilemma, as robots require operations' programming. This provides additional opportunities for existing employees to be trained and expand their skill set. A company specializing in automation can help with the initial installation and setup. With proper training and experience, staff can learn new skills and adapt to manage robots over time. Therefore, the requirement for a highly skilled team and workforce can hamper the growth of the global warehouse robotics market.

Market Segmentation

Based on software, the market is segmented into warehouse management System, warehouse control system, warehouse execution systems. Based on type, the market is segmented into mobile robots, articulated robots, cylindrical robots, scara robots, parallel robots, and cartesian robots. Based on payload, the market is further bifurcated into 0.5 Kg to 10 Kg, 11 Kg to 80 Kg, 81 Kg to 180 Kg, 181 Kg to 300 Kg, 301 Kg to 900 Kg, more than 900. Based on function, the market is segmented into pick & place, assembling & dissembling, transportation, and packaging. Based on vertical, the market is further split into e-commerce, automotive, electricals and electronics, chemical, rubber & plastics, food and beverages, pharmaceutical, and others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among North America, Europe, Asia-Pacific, South America, and Middle East & Africa.

Company Profiles

JBT Corporation, Daifuku Co., Ltd., ATS Automation Tooling Systems, Inc., Bluebotics

+44 20 8123 2220
info@marketpublishers.com

SA, Dematic Corporation, EK Automation Ltd, Fanuc Corporation, Amazon Robotics, KUKA Ag, and Intelligrated Systems, Inc., are among the major players that are driving the growth of the global warehouse robotics market.

Report Scope:

In this report, the global warehouse robotics market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Warehouse Robotics Market, By Software:

Warehouse Management System

Warehouse Control System

Warehouse Execution Systems

Warehouse Robotics Market, By Type:

Mobile Robots

Articulated Robots

Cylindrical Robots

Scara Robots

Parallel Robots

Cartesian Robots

Warehouse Robotics Market, By Payload:

0.5 Kg to 10 Kg

11 Kg to 80 Kg

81 Kg to 180 Kg

+44 20 8123 2220
info@marketpublishers.com

181 Kg to 300 Kg

301 Kg to 900 Kg

More than 900

Warehouse Robotics Market, By Function:

Pick & Place

Assembling & Dissembling

Transportation

Packaging

Warehouse Robotics Market, By Vertical:

E-Commerce

Automotive

Electricals & Electronics

Chemical, Rubber & Plastics

Food & Beverages

Pharmaceutical

Others

Warehouse Robotics Market, By Region:

Asia-Pacific

China

+44 20 8123 2220
info@marketpublishers.com

- Japan
- India
- Australia
- South Korea

North America

- United States
- Canada
- Mexico

Europe

- United Kingdom
- Germany
- France
- Spain
- Italy

Middle East & Africa

- Israel
- Turkey
- Saudi Arabia
- UAE

South America

+44 20 8123 2220
info@marketpublishers.com

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the global warehouse robotics market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

6. NORTH AMERICA WAREHOUSE ROBOTICS MARKET OUTLOOK

+44 20 8123 2220
info@marketpublishers.com

7. ASIA-PACIFIC WAREHOUSE ROBOTICS MARKET OUTLOOK

+44 20 8123 2220
info@marketpublishers.com

8. EUROPE WAREHOUSE ROBOTICS MARKET OUTLOOK

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

9. SOUTH AMERICA WAREHOUSE ROBOTICS MARKET OUTLOOK

+44 20 8123 2220
info@marketpublishers.com

10. MIDDLE EAST & AFRICA WAREHOUSE ROBOTICS MARKET OUTLOOK

+44 20 8123 2220
info@marketpublishers.com

11. MARKET DYNAMICS

12. MARKET TRENDS & DEVELOPMENTS

13. COMPANY PROFILES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

(Note: The companies list can be customized based on the client requirements.)

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Warehouse Robotics Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028FSegmented By Software (Warehouse Management System, Warehouse Control System, Warehouse Execution Systems), By Type (Mobile Robots, Articulated Robots, Cylindrical Robots, Scara Robots, Parallel Robots, Cartesian Robots), By Payload (0.5 Kg to 10 Kg, 11 Kg to 80 Kg, 81 Kg to 180 Kg, 181 Kg to 300 Kg, 301 Kg to 900 Kg, More than 900), By Function (Pick & Place, Assembling & Dissembling, Transportation, Packaging), By Vertical (E-Commerce, Automotive, Electricals and Electronics, Chemical, Rubber & Plastics, Food and Beverages, Pharmaceutical, Others), By Region and Competition

Product link: https://marketpublishers.com/r/W9884A636EB3EN.html

Price: US$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/W9884A636EB3EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

+44 20 8123 2220
info@marketpublishers.com

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970