Warehouse Robotics Industry Set to Grow at 13.7% CAGR, Surpassing US$ 4.9 Billion by 2033

The rise in e-commerce driven by demographics and internet use in Australia and New Zealand is boosting demand for warehouse robots

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NEWARK, DELAWARE, UNITED STATES OF AMERICA, October 23, 2023 /EINPresswire.com/ -- The global warehouse robotics industry is anticipated to reach US$ 4,924.3 million in 2033. It is projected to expand at a CAGR of 13.7% from 2023 to 2033. The industry is estimated to be valued at US$ 1,365.8 million by 2023.

Warehouse robotics industry demand is expanding rapidly as a result of the explosive demand for consumables and perishable goods across several industries, including electronics, automotive, and e-commerce. The warehouse industry is looking to manufacturers for integrated robotics solutions to speed up product delivery to customers, which is advantageous for the robotics industry.

A huge increase in terms of independent and small-scale warehouses is driving up demand for robots that are affordable and simple to use. The necessity for robots in warehouse activities is being further elevated by mix-volume production across locations.

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There is a rising demand for goods supplied through online sales channels as a result of shifting demographics and extensive internet access. As new e-commerce warehouse building increases globally, there are numerous of potential for automation solutions. In 2022, the global industry for industrial robotics was made up of 3% to 5% industrial robotics.

In 2021, the industrial robots industry experienced a significant expansion, and over the projected period, the trend is anticipated to continue. The International Federation of Robotics estimates that the number of industrial robots installed annually climbed to 517,000 units in 2021 from 394,000 units the year before. From 2020 and 2021, it showed a growth of around 30%.

In Asia Pacific, the top markets for industrial robot sales are still China, Japan, South Korea, and the Association of Southeast Asian States. Robots are predicted to have profitable potential in warehouse tasks as a result of a key rise in terms of the usage of robots across industries.

Key Takeaways From The Warehouse Robotics Industry:

The top 5 countries are anticipated to generate a share of around 85.3% in the warehouse robotics industry by 2023.

From 2018 to 2021, the warehouse robotics industry witnessed a considerable CAGR of 7.0%

Italy's warehouse robotics industry is expected to hold a moderate share of about 24.1% by 2033.

China's warehouse robotics industry is projected to generate a share of around 66.9% in 2023.

Based on product type, the automated guided vehicles segment is estimated to account for a share of 44% by 2033.

"The Warehouse Robotics Industry, as analyzed in our recent research study, exhibits substantial growth prospects driven by the increasing adoption of automation solutions in e-commerce, logistics, and manufacturing sectors. With advancements in technology, the Warehouse Robotics Industry is poised to witness significant expansion as businesses seek to optimize their operations and enhance efficiency." -says Nikhil Kaitwade, Associate Vice President at Future Market Insights, Inc.

Competitive Landscape: Warehouse Robotics Industry:

In order to boost efficiency, a number of businesses and new robot start-ups are concentrating on cutting-edge and creative solutions for warehouses. Well-known players are pursuing acquisition strategies.

In order to satisfy the needs of end users, they are also working on new and integrated robots. Businesses are concentrating on launching new warehouse projects, especially in developing nations.

The reason given is the increasing demand for third-party logistics. New product introductions and acquisition tactics are also priorities for manufacturing organizations.

For Instance:

In February 2022, after the success of its first two projects, Hai Robotics announced its collaboration with the world's largest sportswear company Anta on a new autonomous warehouse. Hai Robotics is considered to be a recognized supplier in the industry thanks to its membership in the most recent Anta project and several other active projects in the apparel & footwear industry.

Find More Valuable Insights into Warehouse Robotics Industry:

The research report analyzes the industry demand trends of warehouse robotics. The global industry estimation and growth projection are based on factors such as end-use industry development, replacement ratio, and adoption rate of warehouse robotics.

As per Future Market Insights (FMI) research scope, the warehouse robotics industry has been studied and segmented on the basis of Product Type, Function, Payload Capacity, End-use Industry, and region. The report provides qualitative and quantitative information on various players in this industry. This report also tracks the industry by both, the supply side and demand side.

Leading Key Players:

ABB Ltd.
Addverb Technologies
Daifuku
FANUC Corporation
Geekplus Technology
Hikrobot
IAM Robotics
InVia Robotics Inc.
JBT
KION Group AG
Knapp AG
KUKAAG
Locus Robotics
Magazino GmbH
Murata Machinery Ltd.
Omron Corporation
Scallog
Shanghai Quicktron Intelligent Technology Co. Ltd.
Shopify Inc.
SSI Schaeffer
Lowpad B.V.
Agilox
Mobile Industrial Robots
OTTO
Universal Robots

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Warehouse Robotics Industry Segmentation:

By Product Type:

Autonomous Mobile Robots
Automated Guided Vehicle
Articulated Robots
Cylindrical and SCARA Robots
Collaborative Robots
Others

By Function:

Picking & Placing
Palletizing & De-Palletizing
Transportation
Packing

By Payload Capacity:

Below 100 Kg
100 to 200 Kg
200 to 300 Kg
300 to 400 Kg
400 to 600 Kg
600 to 900 Kg
900 to 1200 Kg
Above 1200 Kg

By End-use Industry:

Food & Beverage
Electronics & Electrical
Metal & Machinery
Automotive
Pharmaceuticals
Independent Warehouse
Cold Storage
Dry Storage

E-commerce
Chemical, Rubber, and Plastics
Others

By Region:

North America
Latin America
East Asia
South Asia Pacific
Western Europe
Eastern Europe
Central Asia
Russia & Belarus
Balkan & Baltic Countries
Middle East & Africa

Author By:

Nikhil Kaitwade (Associate Vice President at Future Market Insights, Inc.) has over a decade of experience in market research and business consulting. He has successfully delivered 1500+ client assignments, predominantly in Automotive, Chemicals, Industrial Equipment, Oil & Gas, and Service industries.

Have a Look at the Related Report of the Industrial Automation Domain:

Industrial Robotics Industry Growth: Estimated to surpass US$ 220 billion by the end of 2033. The industry is rising at a CAGR of 18.9% during the forecast period 2023 to 2033.

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