

Warehouse Robotics - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Warehouse Robotics Market is accounted for \$2569.23 million in 2017 and is expected to reach \$7895.98 million by 2026 growing at a CAGR of 13.3% from 2017 to 2026. Some of the key factors influencing the market growing E-Commerce industry and need for improved value and reliability in warehouse operations. However, lack of skilled workforce is restraining the market growth. Integration of industry 4.0 with warehouse robots is creating ample opportunities for the market growth.

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. Automated Guided Vehicles (AGVs) and Fixed Robots including Gantry, Articulated, etc. are the robots which are incorporated at various locations in a warehouse and these functions in coordination to serve the aforesaid applications.

On the basis of function, it is categorized into pick & place, palletizing & depalletizing, transportation, and packaging. Pick & place is the dominant function performed by warehouse robotics, followed by packaging. Transportation will be the fastest growing function at a CAGR of 12.3% during the forecast period.

By geography, Asia Pacific is anticipated to grow during forecast period due to rapid growth of e-commerce, electronics & electrical, food & beverage, metal & machinery, and automotive that are already conventional.

Some of the key players in this market include ABB Ltd., ATS Automation Tooling Systems, Inc, Honeywell International, Inc. (Intelligrated), Fanuc Corp., Omron Corp.

(Adept Technology, Inc.), IAM Robotics, Fetch Robotics, Inc., Kuka AG, SSI Schaefer AG, Locus Robotics, Yaskawa Electric Corp., Magazino GmbH, Amazon.Com, Inc. (Amazon Robotics), Wynright Corp. and Invia Robotics, Inc.

Functions Covered:

Palletizing & Depalletizing

Packaging

Pick & Place

Transportation

Storage

Trans-shipments

Goods Consolidation

Order Fulfilment

Goods Distribution

Payload Capacity:

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 kg

Components Covered:

Microprocessors and Microcontrollers

Programmable Logic Controller (PLC)

Sensors

Actuators

RF Module (RFM)

Types Covered:

Cylindrical Robots

Scara Robots

Mobile Robots

Parallel Robots

Stationery Articulated Robots

Gantry Robots

Cartesian Robots

Automated Storage and Retrieval

Articulated Robots

Fixed Robots

System Types Covered:

Locus Robotics System

Scallog System

Knapp Open Shuttle

Fetch Robotics Freight

Swisslog Carry Pick

Software Covered:

Warehouse Control System

Warehouse Management System

Warehouse Execution System

End Users Covered:

Food & Beverages

E-commerce

Electronics & Electrical

Pharmaceuticals

Automotive Aftermarket Industry

Metal & Machinery

Retail

Construction

Defense

Oil and Gas

Manufacturing Industry

Airports

Paper and Print

Medical

Textile

Ports

Plastic and Rubber

Mining

Chemical

Agriculture

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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