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Warehouse Automation - Global Market Outlook (2020-2028)

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Abstracts

According to Stratistics MRC, the Global Warehouse Automation Market is accounted for $13.67 billion in 2020 and is expected to reach $44.81 billion by 2028 growing at a CAGR of 16.0% during the forecast period. Increasing manufacturing complexity and globalization of supply chain networks are the major factors propelling the market growth. However, installation and maintenance costs of automated warehousing systems are hampering the market growth.

Warehouse automation is the application of particular equipment and storage and retrieval systems to perform the tasks previously handled by unskilled and semi-skilled labour. As the term suggests, it is the automation of repetitive processes which previously required labour.

Based on the technology, the automated storage and retrieval system (AS/RS) or Pallet Rack segment is estimated to have lucrative growth during the forecast period. An AS/RS system is one of the most complex parts of warehouse automation and enables the automated storage of crates and pallets after delivery from a supplier and the retrieval for the order picking process. It also includes automated racking, shelving, and shuttle systems and allows for far denser warehouses.

By geography, the Asia Pacific is going to have lucrative growth due to emerging economies like India and China are witnessing a substantial deployment of automated vehicles. Moreover, the fast-growing logistics, manufacturing, and favourable policies supporting domestic production in leading economies like Japan and India are important factors determining market growth in this region.

Some of the key players profiled in the Warehouse Automation Market include Zipline,

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AFS Technologies, Yaskawa Electric Corporation, PAL Robotics, Workhorse, Ubiquity Robotics, Panasonic, AGV International, Oracle, Exotec, Magazino GmbH, Locus Robotics, Kuka AG, Honeywell Intelligrated, IAM Robotics, Zebra Technologies, H3 Dynamics, FANUC Corporation, KnightScope, EiraTech Robotics, ATS Automation, Omron Corporation, XYZ Robotics, and ABB Ltd.

Functions Covered:

Inbound

Outbound

Picking

Technologies Covered:

Autonomous Guided Vehicles (AGV) & Autonomous Mobile Robots (AMR)

Conveyors and Sortation Systems

Order Picking & Placing

Palletizing & Depalletizing Systems

Overhead Systems

Automatic Identification and Data Capture (AIDC)

Gantry Robots

Packaging

Maintenance, Repair and Overhaul (MRO) Services

Automated Storage and Retrieval System (AS/RS) or Pallet Rack

Goods-To-Person Technologies (GTP)

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Pick-To-Light Systems

Softwares Covered:

Warehouse Management System (WMS)

Warehouse Execution System (WES)

Warehouse Control System (WCS)

Robot Types Covered:

Articulated Robots

Cylindrical Robots

Selective Compliance Articulated Robot Arm (SCARA) Robots

Cartesian Robots

Mobile Robots (Collaborative Mobile Robots)

Payload Capacities Covered:

0.5 Kg - 10 Kg

11 Kg - 90 Kg

91 Kg - 190 Kg

191 Kg - 300 Kg

301 Kg - 900 Kg

More Than 900 Kg

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Hardwares Covered:

- Load
- Equipment

End Users Covered:

- E-Commerce
- Apparel
- Grocery
- Food & Beverage
- Pharma
- General Merchandise
- Third-Party Logistics (3PL)
- Post & Parcel
- Wholesale
- Manufacturing
- Healthcare
- Automotive
- Electronics & Electrical
- Retail
- Energy

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- Transport/Logistics
- 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

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- 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
- Strategic recommendations for the new entrants
- Covers Market data for the years 2019, 2020, 2021, 2025, and 2028
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

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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 client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

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

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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