

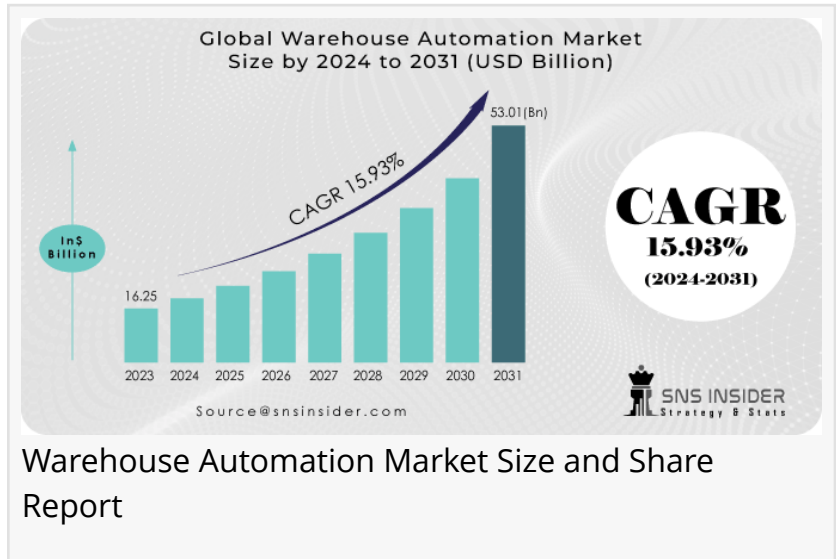
# Warehouse Automation Market to Reach USD 53.01 billion by 2031 Driven by E-commerce Boom and Labor Shortages

*Warehouse Automation Market Size, Share, Growth Drivers and Regional Analysis, Global Forecast 2024 - 2031*

AUSTIN, TEXAS, UNITED STATES, April 17, 2024 /EINPresswire.com/ -- Market Size

The SNS Insider report highlights a warehouse automation market size of USD 16.25 billion in 2023, The is Having significant growth, reaching a projected value of USD 53.01 billion by 2031. with an expected CAGR of 15.93% from

2024 to 2031. This growth is driven by the growing of e-commerce sector and the increasing challenges companies face in finding and retaining qualified workers.



Warehouse Automation Market Size and Share Report

## Growing Demand for Warehouse Automation Solutions

The traditional warehouse operation model struggles to keep pace with the demands of today's e-commerce landscape. Consumers expect faster deliveries and a wider variety of products, which necessitates efficient and error-free order fulfilment. Warehouse automation offers a solution by utilizing robots, software, and machinery to Improve tasks such as picking, packing, and shipping. This not also increase productivity but also reduces human error and operational costs.

This growth of market is driven by the global population is projected to reach 9.52 billion by 2051, Results to increased demand for various goods. Traditional warehouse management methods struggle with this growing demand, while warehouse automation offers a faster and more reliable solution. The e-commerce sector is experiencing exponential growth, with consumers increasingly turning to online platforms for their purchases. This necessitates efficient warehouses capable of handling large order volumes and fast delivery times. Warehouse automation plays a important role in fulfilling these needs. Many companies face

difficulties in finding and retaining qualified warehouse workers. Warehouse automation can address these challenges by automating repetitive tasks, reducing reliance on manual labour. Warehouses play an important role in various industries, including automotive, textiles, food & beverages, and manufacturing. As these industries expand, the demand for efficient warehouse management solutions, including automation systems, will rise.

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Top Companies Featured in Warehouse Automation Market Report:

- Jizhong Energy Storage
- Viastore Systems
- Kardex Remstar
- Interroll
- Honeywell Intelligrated
- Aeologic Technologies
- Kiva Systems
- Grey Orange
- Swisslog
- Geek+

Warehouse Automation Market Segmentation as Follows:

By Type:

- Warehouse System
- Mechanized Warehouse
- Advanced Warehouse
- Basic Warehouse

By Component:

- Software
- Hardware

By Component, The Hardware Segment dominates the market due to its ability to facilitate faster and more precise task execution compared to manual labour. The software is expected to exhibit significant growth in the coming years, driven by the increasing adoption of cloud-based solutions offering scalability and flexibility.

By Technology:

- Retrieval Systems & Automated Storage
- Automatic Guided Vehicles
- Autonomous Mobile Robots

- Voice Picking & Tasking
- Automated Sortation Systems

#### By Application:

- Apparel
- Food & beverage
- Pharmaceutical
- Automotive
- E-Commerce
- Grocery

By Application, the E-commerce holds the largest share in the application segment. The rapid growth of e-commerce necessitates swift and efficient order fulfilments, making automation solutions highly attractive. Technologies such as AI and ML play a Important role in analysing Huge amounts of data generated by e-commerce operations, further optimizing warehouse processes.

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#### Impact of Global Events

The Russia-Ukraine war and potential economic slowdowns pose challenges to the warehouse automation market, the sanctions and geopolitical uncertainty can hinder international trade and market growth. A potential economic slowdown could lead to businesses delaying investments in automation solutions due to budget constraints. However, some companies might view automation as a cost-saving measure in the long run, potentially mitigating the slowdown's impact.

#### Key Regional Developments

The North America region dominates market and maintains its dominance due to a focus on technological advancements and readily available automation solutions. The increasing adoption of AI and machine learning further fuels market growth. Asia Pacific region is a rapidly growing market, driven by the booming e-commerce sector in countries like China, India.

#### Recent Developments Shape the Future of Warehouse Automation

- SVT Robotics and Tecsys Inc. partnered to create a pre-built connector between their respective platforms, simplifying robotic deployments and multi-system automation.
- AutoStore launched Pio, a cost-effective robotic storage solution targeted towards small and medium-sized businesses, making automation more accessible.
- xSQUARE and Mitsubishi Logisnext Asia Pacific joined forces to address the demand for

intelligent warehousing solutions, assisting companies in tackling labor shortages and enhancing operational efficiency.

- Dematic entered a strategic alliance with Dexterity, a manufacturer of warehouse robots, to offer a wider range of automation solutions to their clients.

### Key Takeaways for the Warehouse Automation Market Study

- The surge in online shopping and the difficulty in finding qualified workers are key factors propelling the warehouse automation market towards a projected value of USD 27.34 billion by 2031.
- Continuous innovation in robotics, AI, and software is fostering the development of more sophisticated and adaptable warehouse automation solutions. These advancements offer improved data-driven insights and flexibility for optimized warehouse operations.
- Collaborations such as the one between SVT Robotics and Tecsys highlight a trend towards pre-integrated and seamless automation solutions. This could significantly reduce deployment complexity and encourage faster adoption, especially for businesses with limited in-house technical expertise.
- The rise of software in the warehouse automation market points towards a future of data-driven warehouses. Real-time insights gleaned from automation systems can be used to optimize warehouse layouts, predict inventory needs, and further enhance efficiency.

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