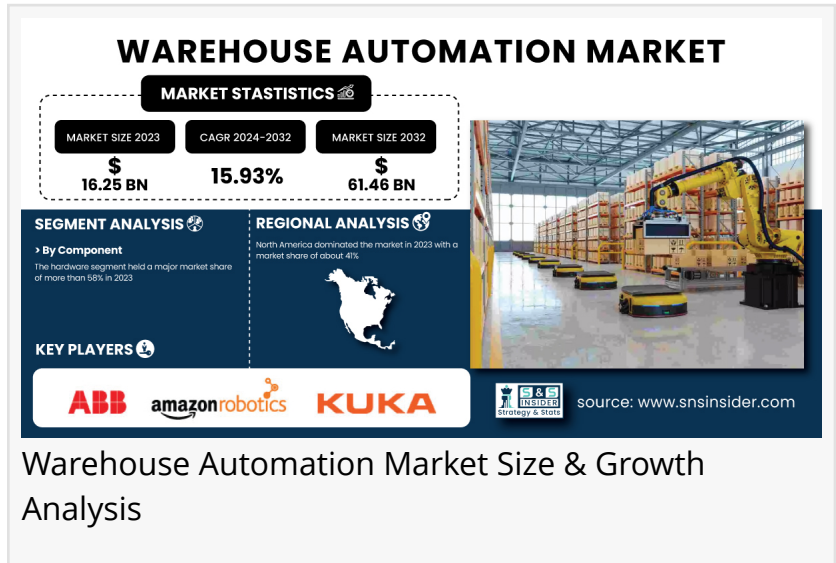


# Warehouse Automation Market to Hit USD 61.46 Billion by 2032, at 15.93% CAGR | SNS Insider

The Warehouse Automation Market is expanding rapidly, driven by AI, robotics, IoT, and e-commerce growth, enhancing efficiency and productivity.

AUSTIN, TX, UNITED STATES, February 27, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider, "The [Warehouse Automation Market](#) was valued at USD 16.25 billion in 2023 and is projected to reach USD 61.46 billion by 2032, expanding at a CAGR of 15.93% from 2024 to 2032."



## Rapid Growth and Transformation in the Warehouse Automation Market

The Warehouse Automation Market is growing steadily as a result of high-end technologies and the increasing demand for effective logistics. Robotics, automated guided vehicles, and AI-based warehouse management systems improve precision, productivity, and cost-effectiveness. Intelligent warehouses using IoT and AI maximize real-time data utilization, with Amazon at the forefront, having used 750,000+ robots in 2023. The e-commerce revolution, with more than 2.71 billion consumers and 2024 sales projected to exceed USD 6.3 trillion, drives the need for automation. Online retail shopping is expected to hit 22.6% by 2027. AI and machine learning will continue to define the future of the industry.

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SWOT Analysis of Key Players as follows:

- Ametek Inc.
- Exfo Inc.

- Carl Zeiss AG
- Testo AG
- Eurofins Scientific
- Intertek Group plc
- Danaher Corporation
- Agilent Technologies (now Keysight Technologies)
- Yokogawa Electric Corporation
- Mitutoyo Corporation
- Honeywell International Inc.
- National Instruments Corporation
- Global Warehouse Automation Inc.
- Fluke Corporation
- Mettler Toledo International Inc.
- Endress+Hauser
- Bureau Veritas
- Pace Analytical Services
- Kistler Group
- Flir Systems Inc

#### Key Market Segmentation:

By Component, the dominance of the Hardware Segment in Warehouse Automation Market, Rapid Growth of the Software Segment

Hardware contributed more than 58% to the Warehouse Automation Market in 2023. A wide array of hardware solutions improves the efficiency, accuracy, and productivity of warehouse activities. AS/RS, robotic picking, AGVs, conveyor systems, and sensor technologies are some of the major components. AS/RS is essential in modern warehouses as it maximizes storage and retrieval operations, enhances operational speed and space efficiency.

The software segment is estimated to grow with the fastest CAGR during the period between 2024 and 2032. Software-enabled automation highly maximizes warehouse operations by maximizing inventory control, order fulfillment, and real-time monitoring. Technologies such as Artificial Intelligence, Machine Learning, and the Internet of Things are advanced technologies used to drive predictive analytics, automation, and smart decision-making, making software a key element of contemporary, very efficient warehouse operations.

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By Technology, Dominance of the Automated Storage & Retrieval Systems (AS/RS) Segment, Rapid Expansion of the Autonomous Mobile Robots (AMR) Segment

The Automated Storage & Retrieval Systems segment dominated the Warehouse Automation

Market in 2023, commanding more than 30% market share. AS/RS uses sophisticated robotics, conveyors, and software to maximize storage and retrieval operations. These systems increase warehouse space use by as much as 40% and reach 99.9% order-picking accuracy. Certain AS/RS systems can handle more than 1,000 picks per hour, making them crucial for delivering e-commerce's increasing rapid-order fulfillment requirements.

The Autonomous Mobile Robots segment is expected to grow at the highest CAGR growth from 2024 to 2032. Growing need for quicker order processing and lower labor expense fuels the adoption of AMRs. In the United States, AMRs have resulted in a 30% decrease in operating expenses and a 25% increase in order processing. Leading companies such as Amazon and Walmart incorporate AMRs into their supply chains for increased efficiency in logistics and workforce management.

### By Type, Dominance of Advanced Warehouses in the Warehouse Automation Market

Advanced Warehouses dominate the Warehouse Automation Market because they incorporate the latest technologies like robotics, Artificial Intelligence, and the Internet of Things. Advanced Warehouses use Automated Storage and Retrieval Systems, Autonomous Mobile Robots, and real-time data analysis to enhance efficiency, accuracy, and space optimization. With the growing need for quick order fulfillment, cost savings, and efficient operations, sectors like e-commerce, pharma, and grocery retailing increasingly embrace cutting-edge warehouse solutions, propelling substantial market growth and long-term automation development.

### By Application, E-Commerce Sector Driving Growth in Warehouse Automation Market

The E-Commerce sector is the leading the Warehouse Automation Market, with the increase in online purchases and the requirement for quick order fulfillment. Automated systems such as robotic picking, AGVs, and AI-based warehouse management software improve the speed and accuracy of operations. With more than 2.71 billion online consumers worldwide and growing cross-border e-commerce activity, companies are putting significant investments in automation to address mounting demand, lower operational expenses, and guarantee smooth supply chain management, making e-commerce the main driver of warehouse automation growth.

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### North America's Market Dominance in Warehouse Automation Driven by Technological Advancements

In 2023, North America led the Warehouse Automation Market with a 41% share, driven by advancements in artificial intelligence, machine learning, and IoT. The region is experiencing a surge in automation adoption to enhance efficiency and productivity in logistics and supply chain operations. Technologies such as Automated Guided Vehicles, conveyor belts, and robotic arms are increasingly integrated to streamline processes, reduce operational costs, and optimize

warehouse management, fueling continuous market expansion.

## Asia-Pacific's Steady Growth in Warehouse Automation Fueled by E-Commerce Expansion

The Asia-Pacific region is poised for steady CAGR growth through 2032, driven by the rapid expansion of e-commerce and retail industries. Countries like China, Japan, and India are at the forefront of automation adoption. China's warehouse automation sector is projected to surpass USD 5 billion by 2025, backed by industry leaders like Alibaba and JD.com. Japan's dominance in robotics further accelerates automation, integrating advanced systems to enhance warehouse efficiency and productivity.

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Jagney Dave

SNS Insider Pvt. Ltd

+1 315 636 4242

info@snsinsider.com

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