

# Automated Guided Vehicles Market to Surpass USD 2.8 Billion by 2035 Amid Surge in Automation Demand

*Automated Guided Vehicles market is growing rapidly, driven by rising automation in manufacturing, logistics, and warehousing for greater efficiency.*

NEWARK, DE, UNITED STATES, April 24, 2025 /EINPresswire.com/ -- The [Automated Guided](#)

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As automation becomes a cornerstone of modern industry, AGVs are transforming how businesses manage logistics, cut costs, and boost safety across operations.”

*Nikhil Kaitwade*

[Vehicles Market](#) is poised for accelerated growth over the next decade, driven primarily by the rising wave of industrial automation across sectors such as manufacturing, warehousing, and logistics. As companies increasingly prioritize operational efficiency, cost optimization, and workplace safety, the integration of AGVs into supply chain processes is becoming more prevalent. The market, which was valued at USD 1,314.1 million in 2025, is projected to more than double, reaching USD 2,837.2 million by 2035. This signifies a robust compound annual growth rate (CAGR) of 8.0% during the forecast period, underscoring the substantial demand for

autonomous material handling solutions across industries globally.

Several factors are contributing to this upward trajectory. The proliferation of e-commerce has heightened the need for streamlined warehouse operations, compelling businesses to adopt AGVs to enhance picking, packing, and transportation processes. Moreover, labor shortages in industrial sectors are accelerating the adoption of automation technologies, particularly AGVs that offer 24/7 operational capabilities without fatigue. Integration with Industry 4.0 technologies, including IoT and AI, is also enabling smarter and more efficient fleet management, thereby increasing the value proposition of AGVs in modern industrial ecosystems.

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The AGV market is expanding rapidly due to the increasing reliance on automation in logistics and manufacturing environments. Demand is surging as organizations look to optimize operational workflows, reduce dependency on manual labor, and achieve greater accuracy and safety. The forecasted CAGR of 8.0% between 2025 and 2035 reflects growing confidence in AGVs as indispensable components of automated infrastructure. Furthermore, the integration of AGVs with warehouse management systems (WMS) and enterprise resource planning (ERP) platforms is enhancing operational visibility and real-time decision-making capabilities.

Automated Guided Vehicles (AGV) Market  
Market Overview

# Automated Guided Vehicles Market

## Market Growth

Automated Guided Vehicles market is growing rapidly, driven by rising automation in manufacturing, logistics, and warehousing for greater efficiency



## Key Trends

Increased AGV adoption for e-commerce, labor shortages, integration with Industry 4.0 technologies



## Key Players

KUKA AG, Daifuku Co., Ltd., JBT Corporation, Toyota Industries Corporation, Hyster-Yale Materials Handling, Inc.



Automated Guided Vehicles (AGV) Market

A notable trend in the AGV market is the shift toward flexible automation, where AGVs are deployed in dynamic environments alongside humans, enabled by advancements in sensor technologies and AI-based navigation systems. The emergence of hybrid AGVs that combine the benefits of both traditional automated vehicles and collaborative robotics is gaining momentum. Additionally, cloud-connected AGV fleets are enabling remote monitoring and predictive maintenance, helping operators reduce downtime and improve asset utilization. Customization and modularity in AGV design are also becoming more prevalent, catering to the diverse operational needs of sectors such as food and beverage, automotive, and pharmaceuticals.

Recent years have seen significant R&D investments aimed at improving the navigation, safety, and interoperability of AGVs. Companies are exploring 5G integration for faster and more reliable communication between AGVs and control systems. There's a rising trend toward the deployment of AGVs in unconventional environments, such as hospitals and airports, where they are used for material transport and service delivery. The increasing emphasis on sustainability is also pushing manufacturers to design energy-efficient AGVs with longer battery life and lower environmental impact. These advancements are opening up new opportunities for AGV adoption in emerging economies and SMEs, beyond the traditionally dominant large-scale enterprises.

AGV Market Overview and Key Trends

The AGV market has witnessed several pivotal developments in the past few years. Leading firms have launched next-generation AGVs with improved payload capacities, enhanced navigation accuracy, and lower operational costs. Strategic partnerships between AGV manufacturers and software firms are becoming common, aimed at providing integrated automation solutions. Mergers and acquisitions are reshaping the competitive landscape, allowing companies to expand their product portfolios and geographical reach. Additionally, government incentives supporting smart manufacturing initiatives are fueling AGV deployment across various sectors.

AGV Market Outlook: Growth Drivers and Challenges

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Global AGV Market Analysis

The global AGV market is moderately consolidated, with several key players focusing on technological innovation and global expansion to gain competitive advantage. Market leaders are investing heavily in autonomous navigation technologies, AI algorithms, and system integration capabilities. The focus is also shifting toward service-based models, including AGV leasing and fleet-as-a-service offerings, providing cost-effective entry points for smaller enterprises. As competition intensifies, differentiation through customer-centric customization, reliability, and after-sales support is becoming increasingly critical.

Key Players in the AGV Market

- Seegrid Corporation
- E&K Automation
- Swisslog (KUKA Subsidiary)
- Omron Adept
- AGILOX
- Balyo
- Murata Machinery
- MiR (Mobile Industrial Robots)
- Schaefer Systems International
- Transbotics

AGV Market Segmentation by Technology Type and Application

AGV Market Segmentation by Technology Type:

In terms of Technology Type: the industry is divided into Laser Guidance, Magnetic Guidance, Infrared Guidance, Wire Guidance, Inertial Guided, Optical Guided.

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In terms of Application, the industry is divided into Transportation, Distribution, Storage.

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In terms of Application, the industry is divided into Unit Load Carrier, Pallet Truck, Assembly Line Vehicle, Tow Vehicle, Forklift Truck, Light Load Transporters

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In terms of Application, the industry is divided into Logistics, Healthcare, Automotive, Manufacturing, Food & Beverages, Aerospace

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The report covers key regions, including North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia, and the Middle East and Africa (MEA).

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