

Automated Guided Vehicle Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Two vehicles, Unit load carriers, Pallet trucks, Assembly line vehicles, Forklift trucks), By Navigation Technology (Laser Guidance, Magnetic Guidance, Vision Guidance, Inductive Guidance, Natural Navigation), By Application, By Industry

<https://marketpublishers.com/r/AEBC45E5E3C7EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: AEBC45E5E3C7EN

Abstracts

The Automated Guided Vehicle Market is valued at USD 7.3 billion in 2025 and is projected to grow at a CAGR of 14.7% to reach USD 25.1 billion by 2034. The automated guided vehicle (AGV) market is experiencing significant growth, driven by the increasing need for automation in material handling across various industries. AGVs are driverless vehicles that move materials within a facility, improving efficiency and reducing labor costs. The market encompasses a range of AGV types, including unit load carriers, tow vehicles, and forklift AGVs.

Technological advancements in navigation systems, sensor technology, and software are enhancing the flexibility and efficiency of AGVs. The integration of artificial intelligence and machine learning is improving AGV navigation and decision-making. The market is witnessing increased demand for collaborative AGVs (cobots) and autonomous mobile robots (AMRs).

The competitive landscape is characterized by a mix of robotics companies, material handling equipment manufacturers, and specialized AGV providers. Strategic partnerships and collaborations are crucial for developing integrated AGV solutions. The growing focus on Industry 4.0 and the increasing demand for flexible automation are driving market expansion.

Key Insights Automated Guided Vehicle Market

Collaborative AGVs (Cobots): Increasing adoption of AGVs that can work alongside humans.

Autonomous Mobile Robots (AMRs): Growing demand for AGVs with advanced navigation and decision-making capabilities.

AI and Machine Learning Integration: Enhancing AGV navigation and optimization.

Flexible and Scalable Solutions: Adapting AGVs to various applications and facility layouts.

IoT and Cloud Connectivity: Improving remote monitoring and management of AGVs.

Increased Automation in Material Handling: Growing demand for automation to improve efficiency.

Labor Shortages and Cost Reduction: Automating material handling to address labor shortages and reduce costs.

Improved Safety and Efficiency: Reducing workplace accidents and improving material flow.

Growing E-commerce and Logistics Sector: Increased demand for efficient logistics solutions.

Technological Advancements: Innovations in navigation systems and sensor technology.

High Implementation Costs: Significant upfront investments in AGV systems.

Integration with Existing Infrastructure: Seamlessly integrating AGVs with existing facility layouts.

System Reliability and Maintenance: Ensuring the reliability and maintenance of AGV systems.

Navigation in Dynamic Environments: Navigating complex and dynamic environments.

Cybersecurity Risks: Protecting AGV systems from cyber threats.

Automated Guided Vehicle Market Segmentation

By Type

Two vehicles

Unit load carriers

Pallet trucks

Assembly line vehicles

Forklift trucks

By Navigation Technology

Laser Guidance

Magnetic Guidance

Vision Guidance

Inductive Guidance

Natural Navigation

By Application

Transportation

Distribution

Storage

Assembly

Packaging

Waste handling

By Industry

Automotive

Manufacturing

Food and Beverage

Aerospace

Healthcare

Logistics

Retail

Key Companies Analysed

Balyo

Daifuku Co Ltd.

E&K Automation GmbH

JBT Corporation

Kuka AG

Oceaneering International Inc

Seegrid Corporation

Schaefer Systems International Inc.

Toyota Material Handling

Swisslog Holding AG

Bastian Solution

Dematic

inVia Robotics Inc.

Kollmorgen

Elettric80 S.P.A.

Fetch Robotics Inc.

Locus Robotics

Krones AG

SMARLOGY AGV and AMR

Wellwit Robotics

ADDVERB

AGVE GROUP

AGILOX

Creform Corporation

KMH Systems Inc.

DF Automation and Robotics Sdn. Bhd.

DS AUTOMOTION GmbH

Konecranes and Demag Private Limited

KUKA Systems Aerospace Group

Egemin Automation Inc.

Automated Guided Vehicle Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Automated Guided Vehicle Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Automated Guided Vehicle market data and outlook to 2034

United States

Canada

Mexico

Europe — Automated Guided Vehicle market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Automated Guided Vehicle market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Automated Guided Vehicle market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Automated Guided Vehicle market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Automated Guided Vehicle value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

Automated Guided Vehicle Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Two vehicles, Un...

What is the current and forecast market size of the Automated Guided Vehicle industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Automated Guided Vehicle Market Report

Global Automated Guided Vehicle market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Automated Guided Vehicle trade, costs, and supply chains

Automated Guided Vehicle market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Automated Guided Vehicle market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Automated Guided Vehicle market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Automated Guided Vehicle supply chain analysis

Automated Guided Vehicle trade analysis, Automated Guided Vehicle market price analysis, and Automated Guided Vehicle supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Automated Guided Vehicle market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL AUTOMATED GUIDED VEHICLE MARKET SUMMARY, 2025

- 2.1 Automated Guided Vehicle Industry Overview
 - 2.1.1 Global Automated Guided Vehicle Market Revenues (In US\$ billion)
- 2.2 Automated Guided Vehicle Market Scope
- 2.3 Research Methodology

3. AUTOMATED GUIDED VEHICLE MARKET INSIGHTS, 2024-2034

- 3.1 Automated Guided Vehicle Market Drivers
- 3.2 Automated Guided Vehicle Market Restraints
- 3.3 Automated Guided Vehicle Market Opportunities
- 3.4 Automated Guided Vehicle Market Challenges
- 3.5 Tariff Impact on Global Automated Guided Vehicle Supply Chain Patterns

4. AUTOMATED GUIDED VEHICLE MARKET ANALYTICS

- 4.1 Automated Guided Vehicle Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Automated Guided Vehicle Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Automated Guided Vehicle Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Automated Guided Vehicle Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Automated Guided Vehicle Market
 - 4.5.1 Automated Guided Vehicle Industry Attractiveness Index, 2025
 - 4.5.2 Automated Guided Vehicle Supplier Intelligence
 - 4.5.3 Automated Guided Vehicle Buyer Intelligence
 - 4.5.4 Automated Guided Vehicle Competition Intelligence
 - 4.5.5 Automated Guided Vehicle Product Alternatives and Substitutes Intelligence
 - 4.5.6 Automated Guided Vehicle Market Entry Intelligence

5. GLOBAL AUTOMATED GUIDED VEHICLE MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Automated Guided Vehicle Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Automated Guided Vehicle Sales Outlook and CAGR Growth By Type, 2024-2034 (\$ billion)

5.2 Global Automated Guided Vehicle Sales Outlook and CAGR Growth By Navigation Technology , 2024- 2034 (\$ billion)

5.3 Global Automated Guided Vehicle Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.4 Global Automated Guided Vehicle Sales Outlook and CAGR Growth By Industry, 2024- 2034 (\$ billion)

5.5 Global Automated Guided Vehicle Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC AUTOMATED GUIDED VEHICLE INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Automated Guided Vehicle Market Insights, 2025

6.2 Asia Pacific Automated Guided Vehicle Market Revenue Forecast By Type, 2024-2034 (USD billion)

6.3 Asia Pacific Automated Guided Vehicle Market Revenue Forecast By Navigation Technology , 2024- 2034 (USD billion)

6.4 Asia Pacific Automated Guided Vehicle Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.5 Asia Pacific Automated Guided Vehicle Market Revenue Forecast By Industry, 2024- 2034 (USD billion)

6.6 Asia Pacific Automated Guided Vehicle Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.6.1 China Automated Guided Vehicle Market Size, Opportunities, Growth 2024-2034

6.6.2 India Automated Guided Vehicle Market Size, Opportunities, Growth 2024- 2034

6.6.3 Japan Automated Guided Vehicle Market Size, Opportunities, Growth 2024-2034

6.6.4 Australia Automated Guided Vehicle Market Size, Opportunities, Growth 2024-2034

7. EUROPE AUTOMATED GUIDED VEHICLE MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Automated Guided Vehicle Market Key Findings, 2025

7.2 Europe Automated Guided Vehicle Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)

7.3 Europe Automated Guided Vehicle Market Size and Percentage Breakdown By Navigation Technology , 2024- 2034 (USD billion)

7.4 Europe Automated Guided Vehicle Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.5 Europe Automated Guided Vehicle Market Size and Percentage Breakdown By Industry, 2024- 2034 (USD billion)

7.6 Europe Automated Guided Vehicle Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.6.1 Germany Automated Guided Vehicle Market Size, Trends, Growth Outlook to 2034

7.6.2 United Kingdom Automated Guided Vehicle Market Size, Trends, Growth Outlook to 2034

7.6.2 France Automated Guided Vehicle Market Size, Trends, Growth Outlook to 2034

7.6.2 Italy Automated Guided Vehicle Market Size, Trends, Growth Outlook to 2034

7.6.2 Spain Automated Guided Vehicle Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA AUTOMATED GUIDED VEHICLE MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Automated Guided Vehicle Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Automated Guided Vehicle Market Analysis and Outlook By Navigation Technology , 2024- 2034 (\$ billion)

8.4 North America Automated Guided Vehicle Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.5 North America Automated Guided Vehicle Market Analysis and Outlook By Industry, 2024- 2034 (\$ billion)

8.6 North America Automated Guided Vehicle Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.6.1 United States Automated Guided Vehicle Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Canada Automated Guided Vehicle Market Size, Share, Growth Trends and

Forecast, 2024- 2034

8.6.1 Mexico Automated Guided Vehicle Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA AUTOMATED GUIDED VEHICLE MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Automated Guided Vehicle Market Data, 2025

9.2 Latin America Automated Guided Vehicle Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Automated Guided Vehicle Market Future By Navigation Technology , 2024- 2034 (\$ billion)

9.4 Latin America Automated Guided Vehicle Market Future By Application, 2024- 2034 (\$ billion)

9.5 Latin America Automated Guided Vehicle Market Future By Industry, 2024- 2034 (\$ billion)

9.6 Latin America Automated Guided Vehicle Market Future by Country, 2024- 2034 (\$ billion)

9.6.1 Brazil Automated Guided Vehicle Market Size, Share and Opportunities to 2034

9.6.2 Argentina Automated Guided Vehicle Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA AUTOMATED GUIDED VEHICLE MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Automated Guided Vehicle Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Automated Guided Vehicle Market Statistics By Navigation Technology , 2024- 2034 (USD billion)

10.4 Middle East Africa Automated Guided Vehicle Market Statistics By Application, 2024- 2034 (USD billion)

10.5 Middle East Africa Automated Guided Vehicle Market Statistics By Application, 2024- 2034 (USD billion)

10.6 Middle East Africa Automated Guided Vehicle Market Statistics by Country, 2024- 2034 (USD billion)

10.6.1 Middle East Automated Guided Vehicle Market Value, Trends, Growth Forecasts to 2034

10.6.2 Africa Automated Guided Vehicle Market Value, Trends, Growth Forecasts to 2034

2034

11. AUTOMATED GUIDED VEHICLE MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Automated Guided Vehicle Industry

11.2 Automated Guided Vehicle Business Overview

11.3 Automated Guided Vehicle Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Automated Guided Vehicle Market Volume (Tons)

12.1 Global Automated Guided Vehicle Trade and Price Analysis

12.2 Automated Guided Vehicle Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Automated Guided Vehicle Industry Report Sources and Methodology

I would like to order

Product name: Automated Guided Vehicle Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Two vehicles, Unit load carriers, Pallet trucks, Assembly line vehicles, Forklift trucks), By Navigation Technology (Laser Guidance, Magnetic Guidance, Vision Guidance, Inductive Guidance, Natural Navigation), By Application, By Industry

Product link: <https://marketpublishers.com/r/AEBC45E5E3C7EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AEBC45E5E3C7EN.html>