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Automated Guided Vehicles - Global Market Outlook (2017-2026)

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Abstracts

According to Stratistics MRC, the Global Automated Guided Vehicle Market is accounted for $1.45 billion in 2017 and is expected to reach $3.64 billion by 2026 growing at a CAGR of 10.8% during the forecast period. Emerging E-commerce industry, adoption of industrial automation by SMEs and demand for automation in material handling across Industries are some of the factors impelling the market growth. However, high installation, maintenance, & switching costs and low labor cost in emerging countries are restricting the market growth.

Automated guided vehicles (AGVs) are totally automated transport systems that are used in manufacturing of unmanned vehicles. The main function of these vehicles is to safely transport all types of products and materials without any human interference. Automated guided vehicles are widely being used in areas of production, logistics, warehousing, and distribution as they ensure profitability through efficient and accurate operations.

Amongst navigation technology, Vision Guidance segment held considerable market share during the predicted period. Vision guided vehicles learn a route by “seeing” as it travels through 360-degree in-built camera. The visual record is then converted to computer code. The vehicle then can respond to directions, recognizing routes by matching what it sees to what it learned.

By geography, Asia Pacific is anticipated to dominate the global market during the forecast period. The region growth is supported by the increasing manufacturing and logistics activities in the emerging countries such as China and India. The flourishing manufacturing and automobile sectors in the region are expected to spur the demand for the market growth.

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Some of the key players profiled in the Automated Guided Vehicle market include Konecranes Motum, ABB Ltd, Invia Robotics, Locus Robotics, Fetch Robotics, Transbotics Corporation, Savant Automation, SSI Schaefer Systems International Dwc Llc, KUKA Group, Jungheinrich Group, Murata Machinery, Dematic Corp, Toyota Material Handling, John Bean Technologies (Jbt) Corporation, Addverb Technologies, Seegrid Corporation, Swisslog Holding, Amerden Inc and Oceaneering AGV Systems.

Battery types Covered:

- Nickel-Based
- Lithium-Ion
- Lead
- Other Battery Type

Navigation Technologies Covered:

- Optical Tape Guidance
- Vision Guidance
- Laser Guidance
- Inductive Guidance
- Magnetic Guidance
- Other Navigation Technologies

Types Covered:

- Assembly Line Vehicle
- Pallet Truck

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- Tow Vehicle
- Forklift Truck
- Unit Load Carrier

Applications Covered:

- Packaging
- Assembly
- Storage
- Distribution
- Transportation

End Users Covered:

- Retail
- Healthcare
- Logistics
- Aerospace
- Food & Beverage
- Manufacturing
- Automotive
- Other End users

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Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific

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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

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market

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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

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Note: Tables for North America, Europe, Asia Pacific, South America & Middle East & Africa, regions are also represented in the same manner as above.

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