

# **North America Automated Guided Vehicle Market By Component (Hardware, Software and Services) By type (Tow Vehicle, Pallet Truck, Unit Load Carrier, Hybrid Vehicles and Forklift Truck & Others) By Navigation Technology (Laser Guidance, Vision Guidance, Magnetic Guidance, Inductive Guidance and Natural Navigation & Others) By Application (Logistics & Warehousing, Assembly, Packaging, Trailer Loading & Unloading and Raw Material Handling & Others) By End User (Automotive, Manufacturing, Logistics, Food & Beverages, Retail, Healthcare and Others) By Country, Industry Analysis and Forecast, 2019 - 2025**

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## **Abstracts**

The North America Automated Guided Vehicle Market would witness market growth of 13.2% CAGR during the forecast period (2019-2025).

Logistics and warehousing companies are trying to retain their profitability by opting for taller racks, compact layouts, and narrow aisles inside their distribution facilities. Along with this, they are trying to improve the quality of their operations in line with the increasing demand for their services. These organizations are implementing AGV solutions as they can work precisely and efficiently across narrow aisles and compact layouts, and also increase the durability of the storage process. The growing demand for AGVs from logistics and warehousing companies is expected to fuel the growth of

the AGV industry.

The increased adoption of AGVs across different industries can be related to the benefits of AGVs in terms of productivity, safety, and accuracy. AGVs are equipped with cameras, laser heads and other sensors that help them operate safely around machines, structures and employees. While workers can make mistakes that lead to accidents and mishaps in manufacturing or distribution facilities, AGVs can help improve the accuracy of workflows, thus reducing waste and increasing productivity.

The rapid growth in e-commerce is contributing to market growth. Due to the growth of online shopping, stock-keeping units (SKUs) are growing in both volume and variety by which fixed automation systems cannot meet the requirements on their own. Flexible automation in the form of robotics is designed to complement traditional automation systems such as conveyor belts. Amazon recognized this necessity when it purchased Kiva, a sensor-equipped robot that follows computerized barcode stickers on the floor to distribute mobile inventory-equipped racks to human operators. The increased requirement for automation in maritime applications is a major driver for the market.

Based on Component, the market is segmented into Hardware, Software and Services. Based on type, the market is segmented into Tow Vehicle, Pallet Truck, Unit Load Carrier, Hybrid Vehicles and Forklift Truck & Others. Based on Navigation Technology, the market is segmented into Laser Guidance, Vision Guidance, Magnetic Guidance, Inductive Guidance and Natural Navigation & Others. Based on Application, the market is segmented into Logistics & Warehousing, Assembly, Packaging, Trailer Loading & Unloading and Raw Material Handling & Others. Based on End User, the market is segmented into Automotive, Manufacturing, Logistics, Food & Beverages, Retail, Healthcare and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include ABB Group, Kion Group (Dematic), Toyota Industries Corporation (Bastian Solutions LLC), Daifuku Co., Limited, John Bean Technologies Corporation, Oceaneering International, Inc., Kuka AG (Swisslog Holding), Hyster-Yale Materials Handling, Inc., E&K Automation GmbH, and The Krones Group.

Scope of the Study

Market Segmentation:

## By Component

Hardware

Software

Services

## By Type

Tow Vehicle

Pallet Truck

Unit Load Carrier

Hybrid Vehicles

Forklift Truck & Others

## By Navigation Technology

Laser Guidance

Vision Guidance

Magnetic Guidance

Inductive Guidance

Natural Navigation & Others

## By Application

Logistics & Warehousing

Assembly

Packaging

Trailer Loading and Unloading

Raw Material Handling & Others

#### By End User

Automotive

Manufacturing

Logistics

Food & Beverages

Retail

Healthcare

Others

#### By Country

US

Canada

Mexico

Rest of North America

#### Companies Profiled

ABB Group

Kion Group (Dematic)

Toyota Industries Corporation (Bastian Solutions LLC)

Daifuku Co., Limited

John Bean Technologies Corporation

Oceaneering International, Inc.

Kuka AG (Swisslog Holding)

Hyster-Yale Materials Handling, Inc.

E&K Automation GmbH

The Krones Group

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