

Automated Guided Vehicle Market by Type (Tow Vehicles, Unit Load Carriers, Pallet Trucks, Assembly Line Vehicles, and Forklift Trucks), Navigation Technology (Laser Guidance, Magnetic Guidance, Inductive Guidance, Optical Tape Guidance, Vision Guidance, and Others), Application (Transportation, Distribution, Storage, Assembly, Packaging, and Waste Handling), Industry (Automotive, Manufacturing, Food & Beverages, Aerospace, Healthcare, Logistics, Retail, and Others), and Mode of Operation (Indoor and Outdoor): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

Automated guided vehicles (AGVs) are defined as portable robots or load carriers that travel along the floor without onboard driver or operator with the help of navigation technology such as laser and vision guided technologies. These vehicles are used to decrease damage to goods, increase work efficiency, and automate operations to achieve high productivity. In addition, AGVs are an integral part of modern logistics as they are adopted to autonomously handle and transport goods without any onboard operator. Further, these types of vehicles can be easily integrated into warehouses and requires less integration effort.

The market is anticipated to witness significant growth over the years, owing to incorporation of industry 4.0 and rise in demand for automated guided vehicles in

various industries.

The automated guided vehicle market is segmented on the basis of type, navigation technology, application, industry, mode of operation, and region. By type, the market is classified into tow-vehicles, unit load carriers, pallet trucks, assembly line vehicles, and forklift trucks. By navigation technology, market is divided into laser guidance, magnetic guidance, inductive guidance, optical tape guidance, vision guidance, and others. By application, it is categorized into transportation, distribution, storage, assembly, packaging, and waste handling. By industry, it is analyzed across automotive, manufacturing, food & beverages, aerospace, healthcare, logistics, retail, and others. On the basis of mode of operation, it is classified into indoor and outdoor. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players analyzed in the automated guided vehicle market include BALYO, Daifuku Co., Ltd., E&K Automation GmbH, inVia Robotics, Inc., JBT, KUKA AG, Oceaneering International, Inc., Seegrid Corporation, SSI Schaefer, Toyota Material Handling, and others.

KEY BENEFITS FOR STAKEHOLDERS

This study presents the analytical depiction of the global automated guided vehicle market along with the current trends and future estimations to depict the imminent investment pockets.

The overall market potential is determined to understand the profitable trends to enable stakeholders gain a stronger foothold in the market.

The report presents information related to key drivers, restraints, and opportunities with a detailed impact analysis.

The current market is quantitatively analyzed from 2019 to 2027 to highlight the financial competency of the market.

Porter's five forces analysis illustrates the potency of the buyers and suppliers.

KEY MARKET SEGMENTS

By Type

Automated Guided Vehicle Market by Type (Tow Vehicles, Unit Load Carriers, Pallet Trucks, Assembly Line Vehicl...

Tow vehicles

Unit load carriers

Pallet trucks

Assembly line vehicles

Forklift Trucks

By Navigation technology

Laser guidance

Magnetic guidance

Inductive guidance

Optical tape guidance

Vision guidance

Others

By Application

Transportation

Distribution

Storage

Assembly

Packaging

Waste handling

By Industry

- Automotive
- Manufacturing
- Food & beverages
- Aerospace
- Healthcare
- Logistics
- Retail
- others

By Mode of operation

- Indoor
- Outdoor

By Region

- North America
 - U.S.
 - Canada
 - Mexico
- Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY MARKET PLAYERS

BALYO

Daifuku Co., Ltd.

E&K Automation GmbH

inVia Robotics, Inc.

JBT

KUKA AG

Oceaneering International, Inc.

Seegrid Corporation

SSI schaefer

Toyota Material Handling

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