

# Global AGV Solution Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G232A39FBFD4EN.html>

Date: April 2026

Pages: 138

Price: US\$ 4,480.00 (Single User License)

ID: G232A39FBFD4EN

## Abstracts

The global AGV Solution market size is expected to reach \$ 10111 million by 2032, rising at a market growth of 12.3% CAGR during the forecast period (2026-2032).

AGV solutions are comprehensive logistics automation solutions centered around automated guided vehicles, integrating hardware and software systems such as navigation and positioning, task scheduling, path planning, and traffic management. They seamlessly integrate with enterprise systems like WMS and MES to achieve unmanned and intelligent operation of material handling, warehousing, and sorting.

Upstream industries mainly include suppliers of core components such as controllers, sensors (LiDAR/vision), servo systems, reducers, and power batteries. Controllers and sensors are high-profit, high-barrier-to-entry areas. Downstream industries encompass end-users in automotive manufacturing, 3C electronics, new energy, pharmaceuticals, and e-commerce logistics, deploying applications directly through system integrators or equipment manufacturers.

The global AGV solutions market will evolve towards a pattern of deep technological integration and continuous expansion of application boundaries. At the technological level, navigation methods are upgrading from magnetic strips and QR codes to SLAM technology, with laser and visual SLAM gradually moving towards multi-sensor fusion, significantly improving adaptability to dynamic environments and positioning accuracy. Deep AI empowerment is becoming a core direction; AI path optimization has reduced AGV delivery error rates by 33%, and AMRs with autonomous decision-making capabilities are rapidly gaining popularity. Scheduling systems are evolving towards clustering and cloud-based systems, capable of coordinating over 100 robots and achieving real-time data interaction with ERP/MES systems. At the application level,

mobile robots are penetrating from traditional warehousing and manufacturing into specialized scenarios such as medical cleanrooms, semiconductor cleanrooms, and cold chain logistics, placing higher demands on dust prevention, sterilization, and precision. At the industry chain level, with the increasing localization rate of core components and the emergence of economies of scale, the economics of AGVs are continuously optimizing, and the payback period for unmanned forklifts in 1-3 shift scenarios has been shortened to 0.7-2.5 years. The Asia-Pacific region, due to strong demand for manufacturing automation, accounts for over 35% of the global market share, becoming the core engine of growth.

This report studies the global AGV Solution demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for AGV Solution, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AGV Solution that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global AGV Solution total market, 2021-2032, (USD Million)

Global AGV Solution total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: AGV Solution total market, key domestic companies, and share, (USD Million)

Global AGV Solution revenue by player, revenue and market share 2021-2026, (USD Million)

Global AGV Solution total market by Type, CAGR, 2021-2032, (USD Million)

Global AGV Solution total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global AGV Solution market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB Ltd., Daifuku Co., Ltd., KUKA AG, Toyota Industries Corporation, Dematic Corp., JBT Corporation, KION Group AG, Omron Corporation, Mitsubishi Logisnext Co., Ltd., Murata Machinery, Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the world AGV Solution market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global AGV Solution Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global AGV Solution Market, Segmentation by Type:

Semi-intelligent Type

Full Intelligence Type

#### Global AGV Solution Market, Segmentation by Product Types:

Hidden AGV

Forklift AGV

Pallet AGV

Towing AGV

Box AGV

#### Global AGV Solution Market, Segmentation by Navigation Methods:

Laser Navigation

Vision Navigation

Electromagnetic Navigation

Inertial Navigation

Hybrid Navigation

#### Global AGV Solution Market, Segmentation by Application:

Automobile

Manufacturing Industrial

Others

#### Companies Profiled:

ABB Ltd.

Daifuku Co., Ltd.

KUKA AG

Toyota Industries Corporation

Dematic Corp.

JBT Corporation

KION Group AG

Omron Corporation

Mitsubishi Logisnext Co., Ltd.

Murata Machinery, Ltd.

SIASUN Robot & Automation Co., Ltd

Geekplus Technology Co., Ltd.

Swisslog AG

SSI Schaefer Group

Seegrid Corporation

Vecna Robotics Inc.

Yaskawa Electric Corporation

Hyster-Yale, Inc.

Addverb Technologies Limited

Grey Orange Pte. Ltd.

### Key Questions Answered

1. How big is the global AGV Solution market?
2. What is the demand of the global AGV Solution market?
3. What is the year over year growth of the global AGV Solution market?

4. What is the total value of the global AGV Solution market?
5. Who are the Major Players in the global AGV Solution market?
6. What are the growth factors driving the market demand?

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