

# Global Heavy-Duty AGV Smart Navigation Systems Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Heavy-Duty AGV Smart Navigation Systems market size was valued at US\$ 4374 million in 2024 and is forecast to a readjusted size of USD 7094 million by 2031 with a CAGR of 7.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Heavy-Duty AGV Smart Navigation Systems are high-precision navigation solutions for guiding heavy-duty Automated Guided Vehicles (AGVs) using technologies such as LiDAR, inertial navigation, and visual recognition, primarily applied in industrial logistics and intelligent manufacturing scenarios.

This report is a detailed and comprehensive analysis for global Heavy-Duty AGV Smart Navigation Systems market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### Key Features:

Global Heavy-Duty AGV Smart Navigation Systems market size and forecasts, in

consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Heavy-Duty AGV Smart Navigation Systems market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Heavy-Duty AGV Smart Navigation Systems market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Heavy-Duty AGV Smart Navigation Systems market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Heavy-Duty AGV Smart Navigation Systems
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Heavy-Duty AGV Smart Navigation Systems market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KUKA AG, Siemens AG, Dematic, Jungheinrich AG, Toyota Material Handling, ABB Ltd, Mitsubishi Electric Corporation, FANUC Corporation, Bosch Rexroth AG, Honeywell Intelligrated, etc.

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

### **Market Segmentation**

Heavy-Duty AGV Smart Navigation Systems market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

Laser Navigation Type

Magnetic Tape Navigation Type

Inertial Navigation Type

Visual Navigation Type

Others

## Market segment by Application

Automotive Manufacturing

Warehousing and Logistics

Heavy Industry Handling

Ports and Terminals

Others

## Major players covered

KUKA AG

Siemens AG

Dematic

Jungheinrich AG

Toyota Material Handling

ABB Ltd

Mitsubishi Electric Corporation

FANUC Corporation

Bosch Rexroth AG

Honeywell Intelligrated

Oceaneering International, Inc.

Swisslog Holding AG

SICK AG

SEW-Eurodrive GmbH & Co KG

BlueBotics SA

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Heavy-Duty AGV Smart Navigation Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Heavy-Duty AGV Smart Navigation Systems, with price, sales quantity, revenue, and global market share of Heavy-Duty AGV Smart Navigation Systems from 2020 to 2025.

Chapter 3, the Heavy-Duty AGV Smart Navigation Systems competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Heavy-Duty AGV Smart Navigation Systems breakdown data are shown

at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Heavy-Duty AGV Smart Navigation Systems market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Heavy-Duty AGV Smart Navigation Systems.

Chapter 14 and 15, to describe Heavy-Duty AGV Smart Navigation Systems sales channel, distributors, customers, research findings and conclusion.

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