

Global LiDAR for AGV Market Growth 2025-2031

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Abstracts

The global LiDAR for AGV market size is predicted to grow from US\$ 380 million in 2025 to US\$ 656 million in 2031; it is expected to grow at a CAGR of 9.5% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

LiDAR is a sensor that obtains information such as the distance, speed, and angle of a target object by emitting a laser beam and measuring the reflected signal. In AGV, LiDAR is mainly used for environmental perception, navigation positioning, and obstacle avoidance. It helps AGV achieve autonomous movement and safe operation by scanning the surrounding environment in real time and building a three-dimensional map. LiDAR has the characteristics of high precision, high resolution, and strong anti-interference ability. It is one of the core sensors for AGV to achieve intelligence and automation.

United States market for LiDAR for AGV is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for LiDAR for AGV is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for LiDAR for AGV is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key LiDAR for AGV players cover Slamtec Base, Leishen Intelligent System, Neuvition, Hinson, G-TEK Sensor Technology, etc. In terms of revenue, the global two

largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “LiDAR for AGV Industry Forecast” looks at past sales and reviews total world LiDAR for AGV sales in 2024, providing a comprehensive analysis by region and market sector of projected LiDAR for AGV sales for 2025 through 2031. With LiDAR for AGV sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world LiDAR for AGV industry.

This Insight Report provides a comprehensive analysis of the global LiDAR for AGV landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on LiDAR for AGV portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global LiDAR for AGV market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for LiDAR for AGV and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global LiDAR for AGV.

This report presents a comprehensive overview, market shares, and growth opportunities of LiDAR for AGV market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

905nm LiDAR

1550nm LiDAR

Segmentation by Application:

Environmental Perception and Map Construction

Navigation and Positioning

Obstacle Avoidance and Safety

Multi-AGV Collaborative Operation

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Slamtec Base

Leishen Intelligent System

Neuvition

Hinson

G-TEK Sensor Technology

SICK AG

Pepperl+Fuchs

Ouster

RoboSense

Hokuyo

Velodyne Lidar

Key Questions Addressed in this Report

What is the 10-year outlook for the global LiDAR for AGV market?

What factors are driving LiDAR for AGV market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do LiDAR for AGV market opportunities vary by end market size?

How does LiDAR for AGV break out by Type, by Application?

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