

# Global LiDAR Sensor for AGVs Market Growth 2025-2031

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## Abstracts

The global LiDAR Sensor for AGVs market size is predicted to grow from US\$ 427 million in 2025 to US\$ 686 million in 2031; it is expected to grow at a CAGR of 8.2% 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.

A LiDAR sensor for Automated Guided Vehicles (AGVs) is a critical component used for navigation, obstacle detection, and mapping in autonomous vehicles that are designed to transport goods within industrial environments such as warehouses, factories, and distribution centers. LiDAR, which stands for Light Detection and Ranging, uses laser pulses to measure the distance between the sensor and objects within the AGV's environment. These sensors create detailed, real-time 3D maps of the surroundings by calculating the time it takes for the light pulses to return after hitting an object, providing precise data on the location, size, and shape of obstacles. The LiDAR sensor enables AGVs to navigate autonomously, avoiding collisions, detecting changes in the environment, and following pre-programmed paths. By providing high accuracy and reliability in various lighting and environmental conditions, LiDAR sensors are essential for ensuring the safe and efficient operation of AGVs, improving productivity, and reducing human intervention in material handling processes.

United States market for LiDAR Sensor for AGVs 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 Sensor for AGVs 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 Sensor for AGVs 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 Sensor for AGVs players cover SICK, Pepperl+Fuchs, Velodyne Lidar, Hesai Technology, PaceCat, 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 Sensor for AGVs Industry Forecast" looks at past sales and reviews total world LiDAR Sensor for AGVs sales in 2024, providing a comprehensive analysis by region and market sector of projected LiDAR Sensor for AGVs sales for 2025 through 2031. With LiDAR Sensor for AGVs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world LiDAR Sensor for AGVs industry.

This Insight Report provides a comprehensive analysis of the global LiDAR Sensor for AGVs 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 Sensor for AGVs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global LiDAR Sensor for AGVs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for LiDAR Sensor for AGVs 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 Sensor for AGVs.

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

Segmentation by Type:

2D Navigation LiDAR Sensor

## 3D Navigation LiDAR Sensor

### Segmentation by Application:

Logistics

Industrial Automation

Automotive

Pharmaceutical

Food and Beverage

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.

SICK

Pepperl+Fuchs

Velodyne Lidar

Hesai Technology

PaceCat

Leishen Intelligent Systems

Datasensing

LiDAR Solutions Australia

Hokuyo

Hinson Technology

Leuze

Neuvition

#### Key Questions Addressed in this Report

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

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

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

How do LiDAR Sensor for AGVs market opportunities vary by end market size?

How does LiDAR Sensor for AGVs break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global LiDAR Sensor for AGVs Annual Sales 2020-2031
  - 2.1.2 World Current & Future Analysis for LiDAR Sensor for AGVs by Geographic Region, 2020, 2024 & 2031
  - 2.1.3 World Current & Future Analysis for LiDAR Sensor for AGVs by Country/Region, 2020, 2024 & 2031
- 2.2 LiDAR Sensor for AGVs Segment by Type
  - 2.2.1 2D Navigation LiDAR Sensor
  - 2.2.2 3D Navigation LiDAR Sensor
- 2.3 LiDAR Sensor for AGVs Sales by Type
  - 2.3.1 Global LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
  - 2.3.2 Global LiDAR Sensor for AGVs Revenue and Market Share by Type (2020-2025)
  - 2.3.3 Global LiDAR Sensor for AGVs Sale Price by Type (2020-2025)
- 2.4 LiDAR Sensor for AGVs Segment by Application
  - 2.4.1 Logistics
  - 2.4.2 Industrial Automation
  - 2.4.3 Automotive
  - 2.4.4 Pharmaceutical
  - 2.4.5 Food and Beverage
  - 2.4.6 Others
- 2.5 LiDAR Sensor for AGVs Sales by Application
  - 2.5.1 Global LiDAR Sensor for AGVs Sale Market Share by Application (2020-2025)
  - 2.5.2 Global LiDAR Sensor for AGVs Revenue and Market Share by Application (2020-2025)

### 2.5.3 Global LiDAR Sensor for AGVs Sale Price by Application (2020-2025)

## **3 GLOBAL BY COMPANY**

### 3.1 Global LiDAR Sensor for AGVs Breakdown Data by Company

#### 3.1.1 Global LiDAR Sensor for AGVs Annual Sales by Company (2020-2025)

#### 3.1.2 Global LiDAR Sensor for AGVs Sales Market Share by Company (2020-2025)

### 3.2 Global LiDAR Sensor for AGVs Annual Revenue by Company (2020-2025)

#### 3.2.1 Global LiDAR Sensor for AGVs Revenue by Company (2020-2025)

#### 3.2.2 Global LiDAR Sensor for AGVs Revenue Market Share by Company (2020-2025)

### 3.3 Global LiDAR Sensor for AGVs Sale Price by Company

### 3.4 Key Manufacturers LiDAR Sensor for AGVs Producing Area Distribution, Sales Area, Product Type

#### 3.4.1 Key Manufacturers LiDAR Sensor for AGVs Product Location Distribution

#### 3.4.2 Players LiDAR Sensor for AGVs Products Offered

### 3.5 Market Concentration Rate Analysis

#### 3.5.1 Competition Landscape Analysis

#### 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

### 3.6 New Products and Potential Entrants

### 3.7 Market M&A Activity & Strategy

## **4 WORLD HISTORIC REVIEW FOR LIDAR SENSOR FOR AGVS BY GEOGRAPHIC REGION**

### 4.1 World Historic LiDAR Sensor for AGVs Market Size by Geographic Region (2020-2025)

#### 4.1.1 Global LiDAR Sensor for AGVs Annual Sales by Geographic Region (2020-2025)

#### 4.1.2 Global LiDAR Sensor for AGVs Annual Revenue by Geographic Region (2020-2025)

### 4.2 World Historic LiDAR Sensor for AGVs Market Size by Country/Region (2020-2025)

#### 4.2.1 Global LiDAR Sensor for AGVs Annual Sales by Country/Region (2020-2025)

#### 4.2.2 Global LiDAR Sensor for AGVs Annual Revenue by Country/Region (2020-2025)

### 4.3 Americas LiDAR Sensor for AGVs Sales Growth

### 4.4 APAC LiDAR Sensor for AGVs Sales Growth

### 4.5 Europe LiDAR Sensor for AGVs Sales Growth

### 4.6 Middle East & Africa LiDAR Sensor for AGVs Sales Growth

## **5 AMERICAS**

### 5.1 Americas LiDAR Sensor for AGVs Sales by Country

5.1.1 Americas LiDAR Sensor for AGVs Sales by Country (2020-2025)

5.1.2 Americas LiDAR Sensor for AGVs Revenue by Country (2020-2025)

### 5.2 Americas LiDAR Sensor for AGVs Sales by Type (2020-2025)

### 5.3 Americas LiDAR Sensor for AGVs Sales by Application (2020-2025)

### 5.4 United States

### 5.5 Canada

### 5.6 Mexico

### 5.7 Brazil

## **6 APAC**

### 6.1 APAC LiDAR Sensor for AGVs Sales by Region

6.1.1 APAC LiDAR Sensor for AGVs Sales by Region (2020-2025)

6.1.2 APAC LiDAR Sensor for AGVs Revenue by Region (2020-2025)

### 6.2 APAC LiDAR Sensor for AGVs Sales by Type (2020-2025)

### 6.3 APAC LiDAR Sensor for AGVs Sales by Application (2020-2025)

### 6.4 China

### 6.5 Japan

### 6.6 South Korea

### 6.7 Southeast Asia

### 6.8 India

### 6.9 Australia

### 6.10 China Taiwan

## **7 EUROPE**

### 7.1 Europe LiDAR Sensor for AGVs by Country

7.1.1 Europe LiDAR Sensor for AGVs Sales by Country (2020-2025)

7.1.2 Europe LiDAR Sensor for AGVs Revenue by Country (2020-2025)

### 7.2 Europe LiDAR Sensor for AGVs Sales by Type (2020-2025)

### 7.3 Europe LiDAR Sensor for AGVs Sales by Application (2020-2025)

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa LiDAR Sensor for AGVs by Country

8.1.1 Middle East & Africa LiDAR Sensor for AGVs Sales by Country (2020-2025)

8.1.2 Middle East & Africa LiDAR Sensor for AGVs Revenue by Country (2020-2025)

### 8.2 Middle East & Africa LiDAR Sensor for AGVs Sales by Type (2020-2025)

### 8.3 Middle East & Africa LiDAR Sensor for AGVs Sales by Application (2020-2025)

### 8.4 Egypt

### 8.5 South Africa

### 8.6 Israel

### 8.7 Turkey

### 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

### 9.1 Market Drivers & Growth Opportunities

### 9.2 Market Challenges & Risks

### 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

### 10.1 Raw Material and Suppliers

### 10.2 Manufacturing Cost Structure Analysis of LiDAR Sensor for AGVs

### 10.3 Manufacturing Process Analysis of LiDAR Sensor for AGVs

### 10.4 Industry Chain Structure of LiDAR Sensor for AGVs

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

### 11.2 LiDAR Sensor for AGVs Distributors

### 11.3 LiDAR Sensor for AGVs Customer

## **12 WORLD FORECAST REVIEW FOR LIDAR SENSOR FOR AGVS BY GEOGRAPHIC REGION**

### 12.1 Global LiDAR Sensor for AGVs Market Size Forecast by Region

- 12.1.1 Global LiDAR Sensor for AGVs Forecast by Region (2026-2031)
- 12.1.2 Global LiDAR Sensor for AGVs Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global LiDAR Sensor for AGVs Forecast by Type (2026-2031)
- 12.7 Global LiDAR Sensor for AGVs Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

### **13.1 SICK**

- 13.1.1 SICK Company Information
- 13.1.2 SICK LiDAR Sensor for AGVs Product Portfolios and Specifications
- 13.1.3 SICK LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.1.4 SICK Main Business Overview
- 13.1.5 SICK Latest Developments

### **13.2 Pepperl+Fuchs**

- 13.2.1 Pepperl+Fuchs Company Information
- 13.2.2 Pepperl+Fuchs LiDAR Sensor for AGVs Product Portfolios and Specifications
- 13.2.3 Pepperl+Fuchs LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.2.4 Pepperl+Fuchs Main Business Overview
- 13.2.5 Pepperl+Fuchs Latest Developments

### **13.3 Velodyne Lidar**

- 13.3.1 Velodyne Lidar Company Information
- 13.3.2 Velodyne Lidar LiDAR Sensor for AGVs Product Portfolios and Specifications
- 13.3.3 Velodyne Lidar LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.3.4 Velodyne Lidar Main Business Overview
- 13.3.5 Velodyne Lidar Latest Developments

### **13.4 Hesai Technology**

- 13.4.1 Hesai Technology Company Information
- 13.4.2 Hesai Technology LiDAR Sensor for AGVs Product Portfolios and Specifications
- 13.4.3 Hesai Technology LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.4.4 Hesai Technology Main Business Overview
- 13.4.5 Hesai Technology Latest Developments
- 13.5 PaceCat
  - 13.5.1 PaceCat Company Information
  - 13.5.2 PaceCat LiDAR Sensor for AGVs Product Portfolios and Specifications
  - 13.5.3 PaceCat LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.5.4 PaceCat Main Business Overview
  - 13.5.5 PaceCat Latest Developments
- 13.6 Leishen Intelligent Systems
  - 13.6.1 Leishen Intelligent Systems Company Information
  - 13.6.2 Leishen Intelligent Systems LiDAR Sensor for AGVs Product Portfolios and Specifications
  - 13.6.3 Leishen Intelligent Systems LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.6.4 Leishen Intelligent Systems Main Business Overview
  - 13.6.5 Leishen Intelligent Systems Latest Developments
- 13.7 Datasensing
  - 13.7.1 Datasensing Company Information
  - 13.7.2 Datasensing LiDAR Sensor for AGVs Product Portfolios and Specifications
  - 13.7.3 Datasensing LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.7.4 Datasensing Main Business Overview
  - 13.7.5 Datasensing Latest Developments
- 13.8 LiDAR Solutions Australia
  - 13.8.1 LiDAR Solutions Australia Company Information
  - 13.8.2 LiDAR Solutions Australia LiDAR Sensor for AGVs Product Portfolios and Specifications
  - 13.8.3 LiDAR Solutions Australia LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.8.4 LiDAR Solutions Australia Main Business Overview
  - 13.8.5 LiDAR Solutions Australia Latest Developments
- 13.9 Hokuyo
  - 13.9.1 Hokuyo Company Information
  - 13.9.2 Hokuyo LiDAR Sensor for AGVs Product Portfolios and Specifications
  - 13.9.3 Hokuyo LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.9.4 Hokuyo Main Business Overview
  - 13.9.5 Hokuyo Latest Developments

### 13.10 Hinson Technology

13.10.1 Hinson Technology Company Information

13.10.2 Hinson Technology LiDAR Sensor for AGVs Product Portfolios and Specifications

13.10.3 Hinson Technology LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Hinson Technology Main Business Overview

13.10.5 Hinson Technology Latest Developments

### 13.11 Leuze

13.11.1 Leuze Company Information

13.11.2 Leuze LiDAR Sensor for AGVs Product Portfolios and Specifications

13.11.3 Leuze LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Leuze Main Business Overview

13.11.5 Leuze Latest Developments

### 13.12 Neuvition

13.12.1 Neuvition Company Information

13.12.2 Neuvition LiDAR Sensor for AGVs Product Portfolios and Specifications

13.12.3 Neuvition LiDAR Sensor for AGVs Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Neuvition Main Business Overview

13.12.5 Neuvition Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. LiDAR Sensor for AGVs Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Table 2. LiDAR Sensor for AGVs Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)
- Table 3. Major Players of 2D Navigation LiDAR Sensor
- Table 4. Major Players of 3D Navigation LiDAR Sensor
- Table 5. Global LiDAR Sensor for AGVs Sales by Type (2020-2025) & (K Units)
- Table 6. Global LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
- Table 7. Global LiDAR Sensor for AGVs Revenue by Type (2020-2025) & (\$ million)
- Table 8. Global LiDAR Sensor for AGVs Revenue Market Share by Type (2020-2025)
- Table 9. Global LiDAR Sensor for AGVs Sale Price by Type (2020-2025) & (US\$/Unit)
- Table 10. Global LiDAR Sensor for AGVs Sale by Application (2020-2025) & (K Units)
- Table 11. Global LiDAR Sensor for AGVs Sale Market Share by Application (2020-2025)
- Table 12. Global LiDAR Sensor for AGVs Revenue by Application (2020-2025) & (\$ million)
- Table 13. Global LiDAR Sensor for AGVs Revenue Market Share by Application (2020-2025)
- Table 14. Global LiDAR Sensor for AGVs Sale Price by Application (2020-2025) & (US\$/Unit)
- Table 15. Global LiDAR Sensor for AGVs Sales by Company (2020-2025) & (K Units)
- Table 16. Global LiDAR Sensor for AGVs Sales Market Share by Company (2020-2025)
- Table 17. Global LiDAR Sensor for AGVs Revenue by Company (2020-2025) & (\$ millions)
- Table 18. Global LiDAR Sensor for AGVs Revenue Market Share by Company (2020-2025)
- Table 19. Global LiDAR Sensor for AGVs Sale Price by Company (2020-2025) & (US\$/Unit)
- Table 20. Key Manufacturers LiDAR Sensor for AGVs Producing Area Distribution and Sales Area
- Table 21. Players LiDAR Sensor for AGVs Products Offered
- Table 22. LiDAR Sensor for AGVs Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- Table 23. New Products and Potential Entrants
- Table 24. Market M&A Activity & Strategy

Table 25. Global LiDAR Sensor for AGVs Sales by Geographic Region (2020-2025) & (K Units)

Table 26. Global LiDAR Sensor for AGVs Sales Market Share Geographic Region (2020-2025)

Table 27. Global LiDAR Sensor for AGVs Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global LiDAR Sensor for AGVs Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global LiDAR Sensor for AGVs Sales by Country/Region (2020-2025) & (K Units)

Table 30. Global LiDAR Sensor for AGVs Sales Market Share by Country/Region (2020-2025)

Table 31. Global LiDAR Sensor for AGVs Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global LiDAR Sensor for AGVs Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas LiDAR Sensor for AGVs Sales by Country (2020-2025) & (K Units)

Table 34. Americas LiDAR Sensor for AGVs Sales Market Share by Country (2020-2025)

Table 35. Americas LiDAR Sensor for AGVs Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas LiDAR Sensor for AGVs Sales by Type (2020-2025) & (K Units)

Table 37. Americas LiDAR Sensor for AGVs Sales by Application (2020-2025) & (K Units)

Table 38. APAC LiDAR Sensor for AGVs Sales by Region (2020-2025) & (K Units)

Table 39. APAC LiDAR Sensor for AGVs Sales Market Share by Region (2020-2025)

Table 40. APAC LiDAR Sensor for AGVs Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC LiDAR Sensor for AGVs Sales by Type (2020-2025) & (K Units)

Table 42. APAC LiDAR Sensor for AGVs Sales by Application (2020-2025) & (K Units)

Table 43. Europe LiDAR Sensor for AGVs Sales by Country (2020-2025) & (K Units)

Table 44. Europe LiDAR Sensor for AGVs Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe LiDAR Sensor for AGVs Sales by Type (2020-2025) & (K Units)

Table 46. Europe LiDAR Sensor for AGVs Sales by Application (2020-2025) & (K Units)

Table 47. Middle East & Africa LiDAR Sensor for AGVs Sales by Country (2020-2025) & (K Units)

Table 48. Middle East & Africa LiDAR Sensor for AGVs Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa LiDAR Sensor for AGVs Sales by Type (2020-2025) & (K

Units)

Table 50. Middle East & Africa LiDAR Sensor for AGVs Sales by Application (2020-2025) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of LiDAR Sensor for AGVs

Table 52. Key Market Challenges & Risks of LiDAR Sensor for AGVs

Table 53. Key Industry Trends of LiDAR Sensor for AGVs

Table 54. LiDAR Sensor for AGVs Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. LiDAR Sensor for AGVs Distributors List

Table 57. LiDAR Sensor for AGVs Customer List

Table 58. Global LiDAR Sensor for AGVs Sales Forecast by Region (2026-2031) & (K Units)

Table 59. Global LiDAR Sensor for AGVs Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas LiDAR Sensor for AGVs Sales Forecast by Country (2026-2031) & (K Units)

Table 61. Americas LiDAR Sensor for AGVs Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC LiDAR Sensor for AGVs Sales Forecast by Region (2026-2031) & (K Units)

Table 63. APAC LiDAR Sensor for AGVs Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe LiDAR Sensor for AGVs Sales Forecast by Country (2026-2031) & (K Units)

Table 65. Europe LiDAR Sensor for AGVs Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa LiDAR Sensor for AGVs Sales Forecast by Country (2026-2031) & (K Units)

Table 67. Middle East & Africa LiDAR Sensor for AGVs Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global LiDAR Sensor for AGVs Sales Forecast by Type (2026-2031) & (K Units)

Table 69. Global LiDAR Sensor for AGVs Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global LiDAR Sensor for AGVs Sales Forecast by Application (2026-2031) & (K Units)

Table 71. Global LiDAR Sensor for AGVs Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. SICK Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales

## Area and Its Competitors

Table 73. SICK LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 74. SICK LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 75. SICK Main Business

Table 76. SICK Latest Developments

Table 77. Pepperl+Fuchs Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 78. Pepperl+Fuchs LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 79. Pepperl+Fuchs LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 80. Pepperl+Fuchs Main Business

Table 81. Pepperl+Fuchs Latest Developments

Table 82. Velodyne Lidar Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 83. Velodyne Lidar LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 84. Velodyne Lidar LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 85. Velodyne Lidar Main Business

Table 86. Velodyne Lidar Latest Developments

Table 87. Hesai Technology Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 88. Hesai Technology LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 89. Hesai Technology LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 90. Hesai Technology Main Business

Table 91. Hesai Technology Latest Developments

Table 92. PaceCat Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 93. PaceCat LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 94. PaceCat LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 95. PaceCat Main Business

Table 96. PaceCat Latest Developments

Table 97. Leishen Intelligent Systems Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 98. Leishen Intelligent Systems LiDAR Sensor for AGVs Product Portfolios and Specifications

- Table 99. Leishen Intelligent Systems LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 100. Leishen Intelligent Systems Main Business
- Table 101. Leishen Intelligent Systems Latest Developments
- Table 102. Datasensing Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors
- Table 103. Datasensing LiDAR Sensor for AGVs Product Portfolios and Specifications
- Table 104. Datasensing LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 105. Datasensing Main Business
- Table 106. Datasensing Latest Developments
- Table 107. LiDAR Solutions Australia Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors
- Table 108. LiDAR Solutions Australia LiDAR Sensor for AGVs Product Portfolios and Specifications
- Table 109. LiDAR Solutions Australia LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 110. LiDAR Solutions Australia Main Business
- Table 111. LiDAR Solutions Australia Latest Developments
- Table 112. Hokuyo Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors
- Table 113. Hokuyo LiDAR Sensor for AGVs Product Portfolios and Specifications
- Table 114. Hokuyo LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 115. Hokuyo Main Business
- Table 116. Hokuyo Latest Developments
- Table 117. Hinson Technology Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors
- Table 118. Hinson Technology LiDAR Sensor for AGVs Product Portfolios and Specifications
- Table 119. Hinson Technology LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
- Table 120. Hinson Technology Main Business
- Table 121. Hinson Technology Latest Developments
- Table 122. Leuze Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors
- Table 123. Leuze LiDAR Sensor for AGVs Product Portfolios and Specifications
- Table 124. Leuze LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 125. Leuze Main Business

Table 126. Leuze Latest Developments

Table 127. Neuvition Basic Information, LiDAR Sensor for AGVs Manufacturing Base, Sales Area and Its Competitors

Table 128. Neuvition LiDAR Sensor for AGVs Product Portfolios and Specifications

Table 129. Neuvition LiDAR Sensor for AGVs Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 130. Neuvition Main Business

Table 131. Neuvition Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of LiDAR Sensor for AGVs
- Figure 2. LiDAR Sensor for AGVs Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global LiDAR Sensor for AGVs Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global LiDAR Sensor for AGVs Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. LiDAR Sensor for AGVs Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. LiDAR Sensor for AGVs Sales Market Share by Country/Region (2024)
- Figure 10. LiDAR Sensor for AGVs Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of 2D Navigation LiDAR Sensor
- Figure 12. Product Picture of 3D Navigation LiDAR Sensor
- Figure 13. Global LiDAR Sensor for AGVs Sales Market Share by Type in 2025
- Figure 14. Global LiDAR Sensor for AGVs Revenue Market Share by Type (2020-2025)
- Figure 15. LiDAR Sensor for AGVs Consumed in Logistics
- Figure 16. Global LiDAR Sensor for AGVs Market: Logistics (2020-2025) & (K Units)
- Figure 17. LiDAR Sensor for AGVs Consumed in Industrial Automation
- Figure 18. Global LiDAR Sensor for AGVs Market: Industrial Automation (2020-2025) & (K Units)
- Figure 19. LiDAR Sensor for AGVs Consumed in Automotive
- Figure 20. Global LiDAR Sensor for AGVs Market: Automotive (2020-2025) & (K Units)
- Figure 21. LiDAR Sensor for AGVs Consumed in Pharmaceutical
- Figure 22. Global LiDAR Sensor for AGVs Market: Pharmaceutical (2020-2025) & (K Units)
- Figure 23. LiDAR Sensor for AGVs Consumed in Food and Beverage
- Figure 24. Global LiDAR Sensor for AGVs Market: Food and Beverage (2020-2025) & (K Units)
- Figure 25. LiDAR Sensor for AGVs Consumed in Others
- Figure 26. Global LiDAR Sensor for AGVs Market: Others (2020-2025) & (K Units)
- Figure 27. Global LiDAR Sensor for AGVs Sale Market Share by Application (2024)
- Figure 28. Global LiDAR Sensor for AGVs Revenue Market Share by Application in 2025
- Figure 29. LiDAR Sensor for AGVs Sales by Company in 2025 (K Units)

- Figure 30. Global LiDAR Sensor for AGVs Sales Market Share by Company in 2025
- Figure 31. LiDAR Sensor for AGVs Revenue by Company in 2025 (\$ millions)
- Figure 32. Global LiDAR Sensor for AGVs Revenue Market Share by Company in 2025
- Figure 33. Global LiDAR Sensor for AGVs Sales Market Share by Geographic Region (2020-2025)
- Figure 34. Global LiDAR Sensor for AGVs Revenue Market Share by Geographic Region in 2025
- Figure 35. Americas LiDAR Sensor for AGVs Sales 2020-2025 (K Units)
- Figure 36. Americas LiDAR Sensor for AGVs Revenue 2020-2025 (\$ millions)
- Figure 37. APAC LiDAR Sensor for AGVs Sales 2020-2025 (K Units)
- Figure 38. APAC LiDAR Sensor for AGVs Revenue 2020-2025 (\$ millions)
- Figure 39. Europe LiDAR Sensor for AGVs Sales 2020-2025 (K Units)
- Figure 40. Europe LiDAR Sensor for AGVs Revenue 2020-2025 (\$ millions)
- Figure 41. Middle East & Africa LiDAR Sensor for AGVs Sales 2020-2025 (K Units)
- Figure 42. Middle East & Africa LiDAR Sensor for AGVs Revenue 2020-2025 (\$ millions)
- Figure 43. Americas LiDAR Sensor for AGVs Sales Market Share by Country in 2025
- Figure 44. Americas LiDAR Sensor for AGVs Revenue Market Share by Country (2020-2025)
- Figure 45. Americas LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
- Figure 46. Americas LiDAR Sensor for AGVs Sales Market Share by Application (2020-2025)
- Figure 47. United States LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 48. Canada LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 49. Mexico LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 50. Brazil LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 51. APAC LiDAR Sensor for AGVs Sales Market Share by Region in 2025
- Figure 52. APAC LiDAR Sensor for AGVs Revenue Market Share by Region (2020-2025)
- Figure 53. APAC LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
- Figure 54. APAC LiDAR Sensor for AGVs Sales Market Share by Application (2020-2025)
- Figure 55. China LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 56. Japan LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 57. South Korea LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 58. Southeast Asia LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)

- Figure 59. India LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 60. Australia LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 61. China Taiwan LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 62. Europe LiDAR Sensor for AGVs Sales Market Share by Country in 2025
- Figure 63. Europe LiDAR Sensor for AGVs Revenue Market Share by Country (2020-2025)
- Figure 64. Europe LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
- Figure 65. Europe LiDAR Sensor for AGVs Sales Market Share by Application (2020-2025)
- Figure 66. Germany LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 67. France LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 68. UK LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 69. Italy LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 70. Russia LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 71. Middle East & Africa LiDAR Sensor for AGVs Sales Market Share by Country (2020-2025)
- Figure 72. Middle East & Africa LiDAR Sensor for AGVs Sales Market Share by Type (2020-2025)
- Figure 73. Middle East & Africa LiDAR Sensor for AGVs Sales Market Share by Application (2020-2025)
- Figure 74. Egypt LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 75. South Africa LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 76. Israel LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 77. Turkey LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 78. GCC Countries LiDAR Sensor for AGVs Revenue Growth 2020-2025 (\$ millions)
- Figure 79. Manufacturing Cost Structure Analysis of LiDAR Sensor for AGVs in 2025
- Figure 80. Manufacturing Process Analysis of LiDAR Sensor for AGVs
- Figure 81. Industry Chain Structure of LiDAR Sensor for AGVs
- Figure 82. Channels of Distribution
- Figure 83. Global LiDAR Sensor for AGVs Sales Market Forecast by Region (2026-2031)
- Figure 84. Global LiDAR Sensor for AGVs Revenue Market Share Forecast by Region (2026-2031)
- Figure 85. Global LiDAR Sensor for AGVs Sales Market Share Forecast by Type (2026-2031)
- Figure 86. Global LiDAR Sensor for AGVs Revenue Market Share Forecast by Type

(2026-2031)

Figure 87. Global LiDAR Sensor for AGVs Sales Market Share Forecast by Application

(2026-2031)

Figure 88. Global LiDAR Sensor for AGVs Revenue Market Share Forecast by

Application (2026-2031)

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