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Global LiDAR for Automotive and Industrial Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global LiDAR for Automotive and Industrial market size is expected to reach $ 11830 million by 2032, rising at a market growth of 21.2% CAGR during the forecast period (2026-2032).
Lidar is a product of the combination of laser technology and radar technology. It is composed of transmitters, antennas, receivers, tracking frames and information processing. It can measure target position (distance and angle), movement status (speed, vibration, and attitude) And the shape has become one of the necessary devices for advanced assisted driving and intelligent driving. It is used in the automotive industry or other ground motor vehicles, rail transit, and radar in the surveying and mapping industry.
The leading lidar companies mainly include Hesai Technology, RoboSense, Seyond, Continental, Ouster, Hexagon AB, Trimble, Sick AG, and Valeo. The market share of the top five companies in the world is close to 32.63%.
In terms of lidar types, there are mechanical lidar and solid-state laser (including semi-solid) radar. Mechanical lidar is large in size, high in accuracy, high in cost, and can rotate 360 degrees; while solid-state lidar is low in cost. In 2023, the market will still be dominated by mechanical lidar, with the market size reaching US$1899 million. We estimate that solid-state/semi-solid lidar will gradually occupy the market in the next few years, and by 2030, the market share of solid-state/semi-solid lidar will exceed 48%.
As far as the downstream segments of lidar are concerned, this report subdivides the industry into: Automotive, robotics, smart infrastructure, rail transportation, construction, mining and agriculture, and others (UAV, aerospace and defense).
This report studies the global LiDAR for Automotive and Industrial production, demand, key manufacturers, and key regions.
This report is a detailed and comprehensive analysis of the world market for LiDAR for Automotive and Industrial and provides market size (US$ million) and Year-over-Year

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(YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of LiDAR for Automotive and Industrial that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global LiDAR for Automotive and Industrial total production and demand, 2021-2032, (K Units)

Global LiDAR for Automotive and Industrial total production value, 2021-2032, (USD Million)

Global LiDAR for Automotive and Industrial production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global LiDAR for Automotive and Industrial consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: LiDAR for Automotive and Industrial domestic production, consumption, key domestic manufacturers and share

Global LiDAR for Automotive and Industrial production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global LiDAR for Automotive and Industrial production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global LiDAR for Automotive and Industrial production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global LiDAR for Automotive and Industrial market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hesai Technology, RoboSense, Seyond, Continental, Ouster, Hexagon AB, Trimble, Sick AG, Valeo, Huawei, 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 LiDAR for Automotive and Industrial market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, 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 LiDAR for Automotive and Industrial Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global LiDAR for Automotive and Industrial Market, Segmentation by Type:

Mechanical LiDAR

Solid-state LiDAR

Global LiDAR for Automotive and Industrial Market, Segmentation by Application:

Automotive

Robotics

Smart Infrastructure

Rail

Construction, Mining & Agriculture

Others

Companies Profiled:

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Hesai Technology

RoboSense

Seyond

Continental

Ouster

Hexagon AB

Trimble

Sick AG

Valeo

Huawei

Topcon

Vaisala

Nanjing Movelaser

Hokuyo Automatic

Leishen Intelligent System

Luminar Technologies

Innoviz

Cepton (Koito)

VanJee Technology

Pepperl+Fuchs

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AEVA

LeddarTech

Livox (DJI)

Quanergy

MicroVision

SureStar

Benewake

HIH

Hangzhou OLE-Systems Co., Ltd

Mitsubishi Electric

Key Questions Answered:

1. How big is the global LiDAR for Automotive and Industrial market?
2. What is the demand of the global LiDAR for Automotive and Industrial market?
3. What is the year over year growth of the global LiDAR for Automotive and Industrial market?
4. What is the production and production value of the global LiDAR for Automotive and Industrial market?
5. Who are the key producers in the global LiDAR for Automotive and Industrial market?
6. What are the growth factors driving the market demand?

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