

Global Mechanical Rotary LiDAR Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Mechanical Rotary LiDAR market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

The mechanical rotating lidar drives the transceiver array to rotate as a whole by clicking to realize the scanning of the spatial horizontal 360° market range, and the ranging capability is consistent within the horizontal 360° market range. The scanning speed is fast, the receiving field of view is small, the anti-light interference ability is strong, and the signal-to-noise ratio is high.

The Global Info Research report includes an overview of the development of the Mechanical Rotary LiDAR industry chain, the market status of Driverless Field (Continuous LiDAR, Pulse LiDAR), Robotic Field (Continuous LiDAR, Pulse LiDAR), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Mechanical Rotary LiDAR.

Regionally, the report analyzes the Mechanical Rotary LiDAR markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Mechanical Rotary LiDAR market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Mechanical Rotary LiDAR market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Mechanical Rotary LiDAR industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Continuous LiDAR, Pulse LiDAR).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Mechanical Rotary LiDAR market.

Regional Analysis: The report involves examining the Mechanical Rotary LiDAR market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Mechanical Rotary LiDAR market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Mechanical Rotary LiDAR:

Company Analysis: Report covers individual Mechanical Rotary LiDAR manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Mechanical Rotary LiDAR This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Driverless Field, Robotic Field).

Technology Analysis: Report covers specific technologies relevant to Mechanical Rotary

LiDAR. It assesses the current state, advancements, and potential future developments in Mechanical Rotary LiDAR areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Mechanical Rotary LiDAR market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Mechanical Rotary LiDAR market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Continuous LiDAR

Pulse LiDAR

Market segment by Application

Driverless Field

Robotic Field

Internet of Vehicles

Other

Major players covered

Velodyne

Valeo

SureStar

Ouster

Neptec

Cepton

Luminar

Panasonic

g-nestle

RoboSense

Hesai Technology

LeiShen Intelligent System

Beijing VanJee Technology

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 Mechanical Rotary LiDAR product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mechanical Rotary LiDAR, with price, sales, revenue and global market share of Mechanical Rotary LiDAR from 2018 to 2023.

Chapter 3, the Mechanical Rotary LiDAR competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mechanical Rotary LiDAR breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Mechanical Rotary LiDAR market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Mechanical Rotary LiDAR.

Chapter 14 and 15, to describe Mechanical Rotary LiDAR sales channel, distributors, customers, research findings and conclusion.

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