

# Global Molded Glass Aspheric Lenses for Automotive Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

https://marketpublishers.com/r/G0BDD71A2AA8EN.html

Date: April 2024

Pages: 142

Price: US\$ 3,480.00 (Single User License)

ID: G0BDD71A2AA8EN

# **Abstracts**

Aspheric glass lenses have high advantages in terms of light transmittance, refractive index, temperature range, distortion rate, wear resistance, chromatic aberration, imaging effect and stability. Molded glass aspherical lenses refer to using optical glass precision molding technology to prepare aspherical lenses that meet usage requirements. This report focuses on molded glass aspheric lenses for automotive applications.

According to our (Global Info Research) latest study, the global Molded Glass Aspheric Lenses for Automotive market size was valued at US\$ 325 million in 2023 and is forecast to a readjusted size of USD 766 million by 2030 with a CAGR of 12.1% during review period.

Aspheric glass lenses have high advantages in terms of light transmittance, refractive index, temperature range, distortion rate, wear resistance, chromatic aberration, imaging effect and stability. Optical glass precision molding technology is a high-efficiency, green and environmentally friendly high-precision optical element manufacturing technology. It has become the mainstream technology for manufacturing aspherical glass lenses and has now entered the stage of mass manufacturing of aspherical optical elements. The market demand for aspherical glass lenses is increasingly widespread, and they are widely used in consumer electronics such as smartphones, security monitoring, and automobile transportation. With the rapid development of the global automotive industry, aspheric glass lenses can more accurately match the high-quality requirements of on-board cameras under the intelligent trend. Optical components, as an important entrance for information collection at the perception layer such as vehicle lenses and lidar, will benefit from the



development of the smart driving market. The automotive molded glass aspherical lens market has broad development potential.

This report is a detailed and comprehensive analysis for global Molded Glass Aspheric Lenses for Automotive 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 2024, are provided.

#### Key Features:

Global Molded Glass Aspheric Lenses for Automotive market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Molded Glass Aspheric Lenses for Automotive market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Molded Glass Aspheric Lenses for Automotive market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Molded Glass Aspheric Lenses for Automotive market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2019-2024

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 Molded Glass Aspheric Lenses for Automotive

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 Molded Glass Aspheric Lenses for Automotive 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 HOYA, Canon, AGC, Panasonic, Sumita Optical Glass, LightPath Technologies, Newport Corporation, Wavelength Opto-Electronic, Thorlabs, Archer OpTx, etc.

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

Market Segmentation

Molded Glass Aspheric Lenses for Automotive market is split by Type and by Application. For the period 2019-2030, 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

Convex Lens

Concave Lens

Meniscus Lens

Market segment by Application

Vehicle Camera

Vehicle Lidar

Major players covered

**HOYA** 

Canon



AGC	
Panasonic	
Sumita Optical Glass	
LightPath Technologies	
Newport Corporation	
Wavelength Opto-Electronic	
Thorlabs	
Archer OpTx	
Esco Optics	
Isuzu Glass	
Edmund Optics	
Sunny Optical Technology (group)co., Ltd.	
Optowide	
Lianchuang Electronic Technology Co., Ltd.	
Zhejiang Lante Optics Co., Ltd	
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 Basifi (Oliver Level IV) and Island Ostalland Asia and Asia and Asia	

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

Global Molded Glass Aspheric Lenses for Automotive Market 2024 by Manufacturers, Regions, Type and Application...



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 Molded Glass Aspheric Lenses for Automotive product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Molded Glass Aspheric Lenses for Automotive, with price, sales quantity, revenue, and global market share of Molded Glass Aspheric Lenses for Automotive from 2019 to 2024.

Chapter 3, the Molded Glass Aspheric Lenses for Automotive competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Molded Glass Aspheric Lenses for Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024.and Molded Glass Aspheric Lenses for Automotive market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Molded Glass Aspheric Lenses for Automotive.

Chapter 14 and 15, to describe Molded Glass Aspheric Lenses for Automotive sales channel, distributors, customers, research findings and conclusion.



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