

Global Automotive Cast Aluminum Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Cast Aluminum market size was valued at USD 49460 million in 2023 and is forecast to a readjusted size of USD 58360 million by 2030 with a CAGR of 2.4% during review period.

Aluminum die casting alloys are lightweight and possess high dimensional stability for complex part geometries and thin walls. Aluminum withstands good corrosion resistance and mechanical properties as well as high thermal and electrical conductivity, making it a good alloy for die casting. Low-density aluminum metals are essential to the die casting industry.

Automotive industry is at the forefront of this trend looking for effective alternatives to cut down on weight without sacrificing durability, which is under constant pressure to adhere to increasingly strict fuel economy standards. With CAFE standards becoming increasingly stringent, automobile manufacturers have been forced to continually find new ways to increase fuel economy. It has been the primary strategy that manufactures lighter vehicles to improve gas mileage, and the use of aluminum parts that replace steel parts has been the most popular method to reduce vehicle weight. Over time, aluminum has been progressively incorporated into automotive doors, trunks, hoods, and engines. Today, aluminum makes up a much more significant percentage of the vehicle. According to Ducker Worldwide, aluminum is now the leading material used in the manufacturing of engines and wheels in automobiles.

Asia-Pacific is the largest global Automotive Cast Aluminum market and accounts for about 55%, while Europe is the second sales of the market for Automotive Cast



Aluminum.

In the product, Nemak's hold the most market share, while Ryobi and Georg Fischer ranked 2 and 3. All of the above occupy nearly 10 percent of the global total.

Aluminum Alloy 319 is dominant in all categories and has a total share of nearly 60%.

In addition, this product is mostly used for Powertrain, followed by Vehicle Structures.

The Global Info Research report includes an overview of the development of the Automotive Cast Aluminum industry chain, the market status of Powertrain (Aluminum Alloy 319, Aluminum Alloy 383), Vehicle Structures (Aluminum Alloy 319, Aluminum Alloy 383), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Cast Aluminum.

Regionally, the report analyzes the Automotive Cast Aluminum 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 Automotive Cast Aluminum market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Cast Aluminum 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 Automotive Cast Aluminum 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 (Kilo MT), revenue generated, and market share of different by Type (e.g., Aluminum Alloy 319, Aluminum Alloy 383).

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 Automotive Cast Aluminum market.



Regional Analysis: The report involves examining the Automotive Cast Aluminum 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 Automotive Cast Aluminum market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Cast Aluminum:

Company Analysis: Report covers individual Automotive Cast Aluminum 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 Automotive Cast Aluminum This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Powertrain, Vehicle Structures).

Technology Analysis: Report covers specific technologies relevant to Automotive Cast Aluminum. It assesses the current state, advancements, and potential future developments in Automotive Cast Aluminum areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Cast Aluminum 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

Automotive Cast Aluminum 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.

Market segment by Type		
,	Aluminum Alloy 319	
,	Aluminum Alloy 383	
,	Aluminum Alloy 356/356P	
(Others	
Market segment by Application		
I	Powertrain	
`	Vehicle Structures	
ŀ	E-Mobility Components	
(Others	
Major players covered		
1	Nemak	
I	Ryobi	
,	Ahresty	
(Georg Fischer	
(Guangdong Hongtu	
I	KD	

Wencan



Paisheng Technology

Xusheng

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 Automotive Cast Aluminum product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Cast Aluminum, with price, sales, revenue and global market share of Automotive Cast Aluminum from 2019 to 2024.

Chapter 3, the Automotive Cast Aluminum competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Cast Aluminum 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 application, with sales market share and growth rate by type, 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 2017 to 2023.and Automotive Cast Aluminum market forecast, by regions, type and 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 Automotive Cast Aluminum.

Chapter 14 and 15, to describe Automotive Cast Aluminum sales channel, distributors, customers, research findings and conclusion.



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