

Automotive Aluminum Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/A94FC08E64E5EN.html>

Date: February 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: A94FC08E64E5EN

Abstracts

The global automotive aluminum market size reached US\$ 27.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 47.2 Billion by 2028, exhibiting a growth rate (CAGR) of 8.67% during 2023-2028.

The automotive industry utilizes aluminum castings, extrusions and sheets to manufacture vehicle body, frame, wheels, fuel systems, heat shields and car interiors. It is also used in the production of various engine parts such as pistons, radiators and cylinder heads. As the aluminum used in passenger and commercial vehicles is light in weight, it offers high stability, durability and cost-effectiveness. In comparison to steel, aluminum parts can help the vehicle accelerate faster and absorb a higher amount of shock in case of a crash or accident.

The growing automotive industry is one of the key factors driving the growth of the market. Owing to properties, such as high strength, recyclability, corrosion resistance combined with thermal and electrical conductivity, aluminum is extensively utilized in the production of passenger cars and commercial trucks and buses. Furthermore, the adoption of robotics technology in the assembly lines to efficiently manufacture automobiles is creating a positive impact on the market. There is also an increasing usage of secondary or recycled aluminum in the manufacturing of automobiles for improved safety and reduced carbon dioxide emissions. Aluminum mixed with copper, silicon and manganese is being used for light-weight components, which in turn is leading to higher per unit usage of the metal. Moreover, the implementation of government policies promoting the manufacturing of vehicles that reduce the emission of greenhouse gases, thus improving the carbon footprint of automobiles, is creating a positive impact on the market growth. Other factors, including rising disposable incomes

of consumers and extensive research and development (R&D) activities, are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive aluminum market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product form, vehicle type and application.

Breakup by Product Form:

- Cast Aluminum
 - Die Casting
 - Permanent Mold Casting
 - Sand Casting
- Rolled Aluminum
 - Aluminum Plate
 - Aluminum Sheet
 - Aluminum Foil
- Extruded Aluminum

Breakup by Vehicle Type:

- Passenger Cars
- Light Commercial Vehicles (LCV)
- Heavy Commercial Vehicles (HCV)

Breakup by Application:

- Powertrain
 - Pistons
 - Engine Blocks
 - Fuel Systems
 - Heat Shields
 - Heat Exchangers
- Chassis and Suspension
 - Suspension Parts
 - Wheels
 - Steering Systems

Brake Systems
Car Body
Body Structure
Roof and Trim
Car Interiors
Hang-On Parts

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Alcoa Inc., Novelis, Rio Tinto Alcan, Constellium, BHP, Amg Advanced Metallurgical, UACJ Corporation, Norsk Hydro ASA, Dana Holding Corporation, Progress-Werk Oberkirch AG, Jindal Aluminium, Kaiser Aluminum, Lorin

Industries, Federal-Mogul Holding Corporation, ElringKlinger AG, ThermoTec Automotive, etc.

Key Questions Answered in This Report:

How has the global automotive aluminum market performed so far and how will it perform in the coming years?

What are the key regional markets in the global automotive aluminum industry?

What has been the impact of COVID-19 on the global automotive aluminum market?

What is the breakup of the market based on the application?

What is the breakup of the market based on the vehicle type?

What is the breakup of the market based on the product form?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive aluminum industry and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AUTOMOTIVE ALUMINUM MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT FORM

- 6.1 Cast Aluminum
 - 6.1.1 Market Trends
 - 6.1.2 Major Types
 - 6.1.2.1 Die-Casting
 - 6.1.2.2 Permanent Mold Casting
 - 6.1.2.3 Sand Casting
 - 6.1.3 Market Forecast

6.2 Rolled Aluminum

6.2.1 Market Trends

6.2.2 Major Types

6.2.2.1 Aluminum Plate

6.2.2.2 Aluminum Sheet

6.2.2.3 Aluminum Foil

6.2.3 Market Forecast

6.3 Extruded Aluminum

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY VEHICLE TYPE

7.1 Passenger Cars

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Light Commercial Vehicles (LCV)

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Heavy Commercial Vehicles (HCV)

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Powertrain

8.1.1 Market Trends

8.1.2 Major Types

8.1.2.1 Pistons

8.1.2.2 Engine Blocks

8.1.2.3 Fuel Systems

8.1.2.4 Heat Shields

8.1.2.5 Heat Exchangers

8.1.3 Market Forecast

8.2 Chassis and Suspension

8.2.1 Market Trends

8.2.2 Major Types

8.2.2.1 Suspension Parts

8.2.2.2 Wheels

- 8.2.2.3 Steering Systems
- 8.2.2.4 Brake Systems
- 8.2.3 Market Forecast
- 8.3 Car Body
 - 8.3.1 Market Trends
 - 8.3.2 Major Types
 - 8.3.2.1 Body Structure
 - 8.3.2.2 Roof and Trim
 - 8.3.2.3 Car Interiors
 - 8.3.2.4 Hang-On Parts
 - 8.3.3 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends

- 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE INDICATORS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Alcoa Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Novelis
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 SWOT Analysis
 - 14.3.3 Rio Tinto Alcan
 - 14.3.3.1 Company Overview

- 14.3.3.2 Product Portfolio
- 14.3.4 Constellium
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
- 14.3.5 BHP
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 AMG Advanced Metallurgical
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
- 14.3.7 UACJ Corporation
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
- 14.3.8 Norsk Hydro ASA
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
- 14.3.9 Dana Holding Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Progress-Werk Oberkirch AG
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Jindal Aluminium
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
- 14.3.12 Kaiser Aluminum
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis
- 14.3.13 Lorin Industries
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio
- 14.3.14 Federal-Mogul Holding Corporation
 - 14.3.14.1 Company Overview
 - 14.3.14.2 Product Portfolio

14.3.15 ElringKlinger AG

14.3.15.1 Company Overview

14.3.15.2 Product Portfolio

14.3.15.3 Financials

14.3.16 ThermoTec Automotive

14.3.16.1 Company Overview

14.3.16.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Automotive Aluminum Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Automotive Aluminum Market Forecast: Breakup by Product Form (in Million US\$), 2023-2028

Table 3: Global: Automotive Aluminum Market Forecast: Breakup by Vehicle Type (in Million US\$), 2023-2028

Table 4: Global: Automotive Aluminum Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Automotive Aluminum Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Automotive Aluminum Market: Competitive Structure

Table 7: Global: Automotive Aluminum Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Automotive Aluminum Market: Major Drivers and Challenges
- Figure 2: Global: Automotive Aluminum Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Automotive Aluminum Market: Breakup by Product Form (in %), 2022
- Figure 4: Global: Automotive Aluminum Market: Breakup by Vehicle Type (in %), 2022
- Figure 5: Global: Automotive Aluminum Market: Breakup by Application (in %), 2022
- Figure 6: Global: Automotive Aluminum Market: Breakup by Region (in %), 2022
- Figure 7: Global: Automotive Aluminum Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 8: Global: Automotive Aluminum (Cast Aluminum) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 9: Global: Automotive Aluminum (Cast Aluminum) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 10: Global: Automotive Aluminum (Rolled Aluminum) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Automotive Aluminum (Rolled Aluminum) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Automotive Aluminum (Extruded Aluminum) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Automotive Aluminum (Extruded Aluminum) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Automotive Aluminum (Passenger Cars) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Automotive Aluminum (Passenger Cars) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Automotive Aluminum (Light Commercial Vehicles-LCV) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Automotive Aluminum (Light Commercial Vehicles-LCV) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Automotive Aluminum (Heavy Commercial Vehicles-HCV) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Automotive Aluminum (Heavy Commercial Vehicles-HCV) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Automotive Aluminum (Powertrain) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 21: Global: Automotive Aluminum (Powertrain) Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 22: Global: Automotive Aluminum (Chassis and Suspension) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Automotive Aluminum (Chassis and Suspension) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Automotive Aluminum (Car Body) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Automotive Aluminum (Car Body) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: North America: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: North America: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: United States: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: United States: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Canada: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Canada: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Asia Pacific: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Asia Pacific: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: China: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: China: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Japan: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Japan: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: India: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: India: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: South Korea: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: South Korea: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Australia: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Australia: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Indonesia: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Indonesia: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Others: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Others: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Europe: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Europe: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Germany: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Germany: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: France: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: France: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: United Kingdom: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: United Kingdom: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Italy: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Italy: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Spain: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Spain: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Russia: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 &

2022

Figure 61: Russia: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Others: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Others: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Latin America: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Latin America: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Brazil: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Brazil: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Mexico: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Mexico: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Others: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Others: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Middle East and Africa: Automotive Aluminum Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Middle East and Africa: Automotive Aluminum Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Global: Automotive Aluminum Industry: SWOT Analysis

Figure 75: Global: Automotive Aluminum Industry: Value Chain Analysis

Figure 76: Global: Automotive Aluminum Industry: Porter's Five Forces Analysis

I would like to order

Product name: Automotive Aluminum Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/A94FC08E64E5EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A94FC08E64E5EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

