

Global Aluminum Extrusion Market Size study & Forecast, by Product (Shapes, Rods & Bars, Pipes & Tubes) by Application (Building & Construction, Automotive & Transportation, Consumer Goods, Electrical & Energy, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Aluminum Extrusion Market is valued approximately at USD 77.54 billion in 2022 and is anticipated to grow with a growth rate of more than 8.20% over the forecast period 2023-2030. Aluminum extrusion is a manufacturing process used to create objects with a fixed cross-sectional profile by pushing or drawing aluminum billets or ingots through a shaped die. The extrusion process allows for the creation of complex shapes and profiles that are difficult or impossible to produce through other methods. It is a method employed to shape aluminum alloys into various objects with specific cross-sectional profiles, catering to diverse applications including automotive chassis, poles, bridges, rail tracks, door and window profiles, curtain walls, heat exchangers, machinery components, and more. Moreover, aluminum extrusions boast recyclability, emitting no hazardous gases during the process, thereby aligning with sustainable practices and environmental consciousness. The Aluminum Extrusion market is expanding because of factors such as growing construction and infrastructure development, rising demand from automotive and transportation industries and growing adoption in producing lightweight part.

Automobile manufacturers are increasingly challenged to meet regulatory requirements concerning the environmental impact of their vehicles. Regulatory bodies such as the National Highway Traffic Safety Administration (NHTSA), the California Air Resources Board (CARB), and the U.S. Environmental Protection Agency (EPA) enforce rules and

standards aimed at reducing Greenhouse Gas emissions. Compliance with these emissions regulations is crucial within the U.S. context. For example, NHTSA's emission regulations mandate a 1.5% increase in stringency regarding fuel economy and CO2 emissions from 2021 to 2026. Consequently, the utilization of aluminum in vehicles is expected to see further growth as it aids in enhancing vehicle efficiency and provides performance advantages. In addition, increasing emphasis on sustainability and environmental consciousness and rising demand from consumer electronic industry are creating new opportunities to the market growth. However, fluctuating raw material prices and technological advancements in substitution materials stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Aluminum Extrusion Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 with largest market share owing to the robust manufacturing sector in nations such as China, India, Vietnam, Japan, and South Korea. Among these, China is anticipated to play a pivotal role in driving industry expansion, primarily fueled by its expansive construction sector. The strategic investment by the Chinese government in transportation and energy infrastructure are anticipated to exert a positive influence on market growth in the forecast period. North America is expected to grow at a fastest growth rate during the forecast period, owing to factors such as infrastructure development, automotive industry growth, and adoption of sustainable construction practices in the region.

Major market player included in this report are:

Arconic Corp.

Bahrain Aluminum Extrusion Company

Constellium N.V.

Gulf Extrusions Co. LLC

Hindalco Industries Ltd.

Kaiser Aluminum

Norsk Hydro ASA

Novelis Inc.

Omnimax International

Walter Klein GmbH & Co. KG

Recent Developments in the Market:

In September 2023, Hindalco Industries Ltd. forged a partnership with Metra SpA to collaboratively manufacture aluminum rail coaches in India. Through this agreement, the Italian company will provide Hindalco with cutting-edge aluminum extrusion technologies essential for the production of railway coaches.

In December 2022, Norsk Hydro ASA revealed plans to acquire Hueck's Aluminum, a prominent player in aluminum extrusion and window, facade, and door systems manufacturing based in Germany. This strategic move by the Norway-based industry leader aims to bolster its business presence across Europe. The acquisition will not only strengthen Norsk's position in the German market but also foster simultaneous growth for both entities.

Global Aluminum Extrusion Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Product, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional &

segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Shapes

Rods & Bars

Pipes & Tubes

By Application:

Building & Construction

Automotive & Transportation

Consumer Goods

Electrical & Energy

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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