

Aluminum Extrusion Market By Type (Mill-finished, Anodized, Powder coated) , By End-use Industry (Building and Construction, Electrical and Electronics, Automotive and Transportation, Industrial, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

<https://marketpublishers.com/r/AB0DE2A33CB9EN.html>

Date: November 2024

Pages: 280

Price: US\$ 2,655.00 (Single User License)

ID: AB0DE2A33CB9EN

Abstracts

Aluminum Extrusion Market

The aluminum extrusion market was valued at \$93.4 billion in 2023 and is projected to reach \$198.1 billion by 2033, growing at a CAGR of 7.8% from 2024 to 2033.

Aluminum extrusion is a manufacturing process in which aluminum alloy material is passed through a die to create objects with a fixed cross-sectional profile. The objects produced through this process remain lightweight, yet highly durable, flexible, and corrosion resistant. Extrusion enables the manufacturing of objects with complex shapes and sizes such as solid, hollow, structural, and custom. The objects developed through aluminum extraction find applications in several industries, including construction, aerospace, automotive, electronics, and industrial equipment.

Increase in the use of aluminum objects in architectural elements of buildings such as windows, doors, and curtain walls is driving the growth of the aluminum extrusion market. In addition, inclination of the automotive industry toward lightweight objects is fueling the demand for objects designed using the extrusion process, thereby propelling the development of the market. Furthermore, the ability of the extrusion process to create customized designs augments the market development. A key trend gaining prominence in the market in recent times is the use of additive manufacturing to create

extrusion dies. This technology enables the construction of dies with complex shapes & dimensions in short durations and less expenditure. This reduces the overall costs associated with aluminum extrusions.

However, volatility in the prices of raw materials and disruption in the supply chain result in production delays & high costs of aluminum extrusions. These factors act as major restraints for the aluminum extrusion market. Moreover, extrusions face stringent competition from other competent materials such as composites, thereby hampering the development of the market. On the contrary, the sustainability and energy efficiency attributes of aluminum are poised to present lucrative opportunities for the aluminum extrusion market due to global shift toward sustainability. According to the International Energy Agency, the number of countries that have committed to achieving net zero emissions has increased notably over the last year and now comprises approximately 70% of global emissions of carbon dioxide. These commitments are poised to open new avenues for the aluminum extrusion market as the lightweight property of aluminum facilitates energy consumption in various applications, including automotive, aerospace, and smart homes.

Segment Review

The aluminum extrusion market is segmented into type, end-use industry, and region. On the basis of type, the market is divided into mill-finished, anodized, and powder-coated. According to end-use industry, it is categorized into building & construction, electrical & electronics, automotive & transportation, industrial, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of type, the anodized segment is witnessing the highest growth in the market.

According to end-use industry, the building & construction segment dominated the market in 2023.

Region-wise, Asia-Pacific was the highest revenue generator in 2023.

Competition Analysis

The major players in the global aluminum extrusion market include Bahrain Aluminium

Extrusion Co. (BALEXCO), JINDAL ALUMINUM LIMITED, Hindalco Industries Limited, GALCO GROUP, Kaiser Aluminum Corporation, Arconic Corporation, CENTURY EXTRUSIONS LIMITED, Aluminium Products Company (ALUPCO), Constellium N. V., and China Zhongwang Holdings Ltd. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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SWOT Analysis

Key Market Segments

By Type

Mill-finished

Anodized

Powder coated

By End-use Industry

Building and Construction

Electrical and Electronics

Automotive and Transportation

Industrial

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

Bahrain Aluminium Extrusion Co. (BALEXCO)

JINDAL ALUMINUM LIMITED

Hindalco Industries Limited

GALCO GROUP

Kaiser Aluminum Corporation

Arconic Corporation

CENTURY EXTRUSIONS LIMITED

Aluminium Products Company (ALUPCO)

Constellium N. V.

China Zhongwang Holdings Ltd

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