

# Aluminium Die Casting Market Development Strategies, SWOT Analysis, and Trends till 2032

*The Rise in Demand For Strong, Lightweight Materials In The Manufacturing Sector Is The Main Factor Driving Aluminium Die Casting Market Revenue Growth.*



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NEW YORK CITY, U.S., UNITED STATES, June 1, 2023 /EINPresswire.com/ -- The global [Aluminum Die Casting Market](#)

had a market value of USD 83 Billion in 2022, and it is projected to reach USD 165.92 Billion by 2032, with a compound annual growth rate (CAGR) of 8% throughout the forecast period. The primary driver of revenue growth is the increasing demand for lightweight and strong materials in the manufacturing industry.



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Aluminum die casting technology is extensively employed in the automotive, aerospace, and construction sectors due to its numerous benefits, such as its high strength-to-weight ratio, exceptional corrosion resistance, and excellent thermal conductivity. The expanding market revenue is propelled by the growing demand for aluminum die casting components in the automotive industry, particularly in electric vehicles.

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Aluminium Die Casting Market Segments:

The global Aluminum Die Casting Market can be segmented based on process type and end-use industry.

In terms of process type, the market encompasses pressure die casting, gravity die casting, and low-pressure die casting. Pressure die casting is a widely adopted process that involves injecting

molten aluminum into a steel mold under high pressure, resulting in complex and precise shapes. Gravity die casting, on the other hand, relies on the force of gravity to fill the mold with molten aluminum, suitable for simpler and larger components. Low-pressure die casting utilizes a controlled pressure to fill the mold with molten aluminum, offering advantages such as reduced porosity and improved surface finish.

When considering the end-use industries, the Aluminum Die Casting Market caters to various sectors. The automotive industry holds significant prominence, driving the demand for aluminum die casting parts. The lightweight nature of aluminum, coupled with its strength and corrosion resistance, makes it an ideal choice for automotive components, especially in the context of the growing electric vehicle market. The aerospace industry also relies on aluminum die casting for its lightweight and high-performance requirements. Furthermore, the electronics industry utilizes aluminum die casting for components that require excellent thermal conductivity and electromagnetic shielding properties. In the construction sector, aluminum die casting finds application in structural components due to its strength and durability. Additionally, there are other industries that benefit from aluminum die casting, although they may have more specialized needs or applications.

Overall, the Aluminum Die Casting Market encompasses various process types and serves multiple end-use industries, with the automotive, aerospace, electronics, and construction sectors playing prominent roles in driving the demand for aluminum die casting products.

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#### Aluminium Die Casting Market Strategic Developments:

The major companies in the global Aluminum Die Casting Market are employing various strategies to maintain their market position and increase their market share. Some of the recent strategic developments in the industry are:

- In 2021, GF Casting Solutions acquired Eucasting Ro SRL, a Romanian die casting company specializing in aluminum and magnesium alloys. The acquisition was aimed at strengthening GF Casting Solutions' position in the European market.
- In 2021, Endurance Technologies Limited acquired the aluminum die casting business of the Indian company Sandhar Technologies Limited. The acquisition was valued at around INR 1.3 billion and aimed to expand Endurance Technologies' product offerings in the automotive sector.
- In 2020, Nemak announced the opening of a new aluminum die casting plant in the U.S. The new plant, located in Monterrey, Mexico, has an annual production capacity of approximately 10 million parts and will serve the automotive industry.
- In 2020, Consolidated Metco (ConMet) announced the acquisition of the aluminum die casting assets of Castleton Industries. The acquisition was aimed at expanding ConMet's product offerings in the commercial vehicle market.

#### Aluminium Die Casting Market Competitive landscape:

The global Aluminum Die Casting Market is characterized by intense competition, as numerous players actively participate in the industry. However, there are several key players that hold significant market share and play a dominant role in shaping the market dynamics. These leading companies have established themselves as major players in the global Aluminum Die Casting Market. Some of the prominent names among them include Alcoa Corporation, a well-known global leader in lightweight metals technology; Dynacast International, a renowned manufacturer of precision-engineered die-cast components; Endurance Technologies Limited, a prominent player in the automotive components sector; and Gibbs Die Casting Corporation, a leading provider of aluminum and magnesium die-castings.

These companies demonstrate their expertise and competitive edge through their extensive product portfolios, technological advancements, and commitment to delivering high-quality aluminum die casting solutions. Their strong market presence and continuous efforts in research and development contribute significantly to the growth and development of the global Aluminum Die Casting Market.

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