

United Kingdom Automotive Parts Zinc Die Casting Market Report and Forecast 2024-2032

Market Report | 2024-06-20 | 187 pages | EMR Inc.

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Report description:

United Kingdom Automotive Parts Zinc Die Casting Market Report and Forecast 2024-2032

Market outlook

According to the report by Expert Market Research (EMR), the United Kingdom automotive parts zinc die casting market size is projected to further grow at a CAGR of 2% between 2024 and 2032. Aided by increasing demand for lightweight and durable automotive components and the growing applications of zinc die casting in the automotive sector, the market is expected to significantly grow by 2032.

Zinc die casting is a manufacturing process that involves the injection of molten zinc into a mold to produce intricate and precise metal parts. This process is widely used in the automotive sector due to its ability to produce high-quality components with excellent dimensional stability, corrosion resistance, and mechanical properties. Zinc die casting is employed in the production of various automotive parts, including engine components, transmission housings, fuel systems, and electronic enclosures.

The increasing demand for lightweight and durable automotive components is driving the United Kingdom automotive parts zinc die casting market growth. With the growing emphasis on fuel efficiency and reducing carbon emissions, there has been a significant shift towards the use of lightweight materials in automotive manufacturing. Zinc die casting offers an ideal solution for producing lightweight and durable components, contributing to improved vehicle performance and fuel efficiency.

The rising trend of electric vehicles (EVs) also plays a significant role in the growth of the market. The increasing adoption of electric vehicles has led to a surge in demand for specialized automotive components, including battery housings, motor housings, and electronic enclosures, which require precise manufacturing and high thermal conductivity. Zinc die casting is well-suited for producing these components, driving the market growth.

The expanding applications of zinc die casting in the automotive sector significantly contribute to the market's growth. In the engine and transmission systems, zinc die casting is used to produce components such as engine blocks, cylinder heads, and transmission housings, which require high strength and dimensional accuracy. The use of zinc die casting in these applications ensures improved performance, reliability, and longevity of the components, consequently driving up the United Kingdom automotive parts zinc die casting market share.

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In the automotive electronics sector, zinc die casting is employed to manufacture enclosures and housings for electronic control units (ECUs), sensors, and connectors. The excellent thermal conductivity and electromagnetic shielding properties of zinc die casting make it an ideal choice for producing electronic components that require effective heat dissipation and protection from electromagnetic interference.

As per the United Kingdom automotive parts zinc die casting market analysis, the growing investments in research and development (R&D) and the adoption of advanced manufacturing technologies are further driving the market growth in the United Kingdom. The government's initiatives to promote the adoption of electric vehicles and the development of a robust electric vehicle infrastructure are also contributing to the increased demand for zinc die casting in the automotive sector.

Engine components represent the largest segment, driven by the high demand for lightweight and high-strength materials in engine manufacturing. Transmission components and body parts also hold a substantial share, providing improved performance and durability. Electronic components are a significant segment, driven by the increasing integration of electronic systems in modern vehicles.

Market Segmentation □

The market can be divided based on production and application

Market Breakup by Product

- Pressure Die Casting
- Vacuum Die Casting
- Others

Market Breakup by Application

- Body Assemblies
- Engine Parts
- Transmission Parts
- Others

Competitive landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in United Kingdom automotive parts zinc die casting market. Some of the major players explored in the report by expert market research are as follows:

- Midland Pressure Diecasting Limited
- A.M.E. Pressure Die-Casting Limited
- McDonald Diecasting Ltd.
- Carlton Die Castings Ltd
- Kemlows Diecasting Products Ltd
- BSC Die Casting & Finishing Ltd
- Dynacast
- H&J Speake Ltd
- Norfran Limited
- T And W Castings
- Others

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