Get High Quality Parts by Die Casting Companies by Krishna

Article published on February 28th 2012 | Business

Die casting is a process by which metals are transformed into engineered parts. This is done by forcing molten metal into steel molds under high pressure. Called dies, these molds can be made sharply with smooth exteriors. They can be made for a broad range of serviceable and attractive finishes.

Several companies are in the field of die casting and are making use of Aluminum. This is because Aluminum not only gives high-class performance but moreover gives low cost-to-production ratio and is light in weight. Through its use, highly complex and engineered parts can be made which are lightweight, conducive, versatile and corrosion-resistant. This is the reason why Aluminum die casting is getting wide acceptance in many applications of industries.

Apart from being utilized by power generation equipment makers, it is also used in the production of electrical and other related industries. Today, various facilities such as modern foundry, machine shop and pattern shop and arrangements for ultra-sonic tests and heat treatment are available. Automobiles companies use these to improve the quality of castings and satisfy the customers.

The companies involved in the production are innovative, customer centric, facilitate change, and adopt world class management and manufacturing methods. They seek to exceed the customerâ€™s requirements, whether relating to cost, development, quality or delivery.

Many have witnessed sharp growth in revenue and volume in the past few years. This is because of a unique work culture being followed; where there is a quest to learn and contribute towards the common goal of excellence and satisfaction of customers.

Companies understand that the customer seeks quality components within time and cost. Targets are thus set right from concept to component.

Besides Aluminum die castings, many industrial units manufacture and supply Aluminum gravity die castings, corrosion resistant Aluminum gravity die castings, high temperature Aluminum gravity die castings and light weight gravity die castings.

In order to make high pressure die castings, companies use the HMT-BHULER die casting machines. They have a capacity of making equipment weighing from 60 to 400 tons. Such machines are supported through electrical furnaces that have an automatic temperature control system. With this, many companies manufacture castings of any complicated type. Today, with considerable knowledge of the process, companies can make superior quality products.

ENDURANCE, a company involved in Aluminum Die Casting, rigorously tests all products made and designed by it. Processes such as gravity die casting, machining, assembly, painting, etc. are all done under one roof. The castings are intricately shaped. The weight of the products range from 400 grams to 8.5 kilograms per piece.

ENDURANCE has the technology and capability to make end number of Aluminum casting products. Itâ€™s up-to the mark infrastructure ensures this. The components manufactured by it are subjected to rigorous quality control and Aluminum is procured from authorized suppliers. Apart from this usage of raw Aluminum, the castings are assessed on properties like performance, corrosion resistance, dimensional accuracy, physical and chemical properties, and porosity and brittleness.

To certify the quality of the components, various tests are conducted by Aluminum Die Casting Companies. These are through advanced simulation and testing software, X-ray capabilities, heat treatment, liquid penetrant testing, ultra-sonic testing and welding. The result being that only high quality products are churned out.

Article Source:
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Article Keywords:
aluminum die casting companies

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