

Die-casting process for optical modules

Here, we will explore the step-by-step process of die casting, covering everything from tooling design and preparation to the actual casting and post-processing stages. Advantages and Applications

Optical module die castings are created through a high-pressure metal casting process that injects molten metal into precision molds. This results in components with tight dimensional tolerances,

The Ultimate Guide to the Die Cast Process: Everything You Need to Know In the realm of manufacturing, the die casting process stands out as one of the most versatile and efficient methods

Die casting is used for optical communication components to produce precision parts with complex geometries, such as SFP module housings, optical nodes, and conversion sleeves.

Secondly, die casting is cost-effective for large-scale production, making it suitable for high-volume manufacturing. Lastly, the process ensures

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The surface shrinkage of the product is caused by uneven wall thickness, rapid transition, and asynchronous cooling process. It usually occurs at the edge of the step where the rib

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