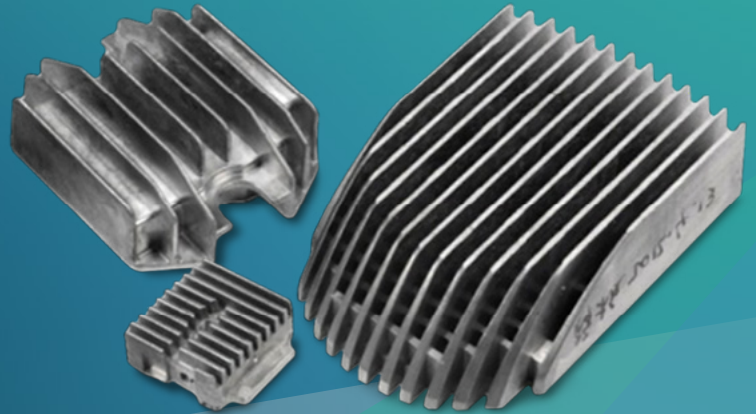


Die Casting

Die casting of aluminum and zinc parts is especially suited for applications where large quantities of small to medium-sized parts are needed with good detail, fine surface quality and dimensional consistency.



3D Systems On Demand offers rapid turnaround on strong, durable, dimensionally stable production parts through our die casting facilities.

Our integrated manufacturing capabilities allow us to rapidly produce die cast tooling, automate the die casting process and maintain continuous quality control shot after shot, taking your project from prototype to production in an accelerated timeframe.

- Tooling production
- Very short lead times
- High precision compared to other casting technologies



Lead Times

6 to 12 weeks from tool design approval to samples is often the case



Dimensional Limitations

Die casting is often limited to about 30kg per part for aluminium and zinc parts.



Applications

- High volume metal components
- Automotive powertrain components
- Hand and power tool housings
- Heat sinks
- Pumps
- Compressors
- Telecommunications & electronics components
- Measuring instruments



Materials

Most die castings are made from non-ferrous metals, specifically zinc and aluminum. The level of versatility offered by die casting has placed it among the highest volume products made in the metalworking industry.



Finishing & Post Processing

Die cast components can be finished similar to most metal components. 3D Systems can provide painting, plating, polishing, powder coating and sand blasting where needed.

We can quote for die casting for volumes of 500 to 50,000 parts. Please enquire with your local sales representative for more details.

Contact our team to explore the options best suited to your project's requirements