

zinc centrifugal castings  
for industry

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“ sample  
components  
in days  
rather than  
weeks ”

For fast and accurate complex zinc prototypes, zinc centrifugal casting is the answer.

This highly versatile process allows for the casting of numbers of parts, via heat cured silicone mould tools, made directly from your master patterns avoiding the need for expensive and time-consuming die-cast tooling. Sample components available in days rather than weeks.

**Process Applications** include fine scale models, display/scenic, promotional models, giftware and fashion accessories, automotive, medical, electronic, architectural models, aerospace, marine, film and TV effects industries.

**Master Patterns** may be made from almost any stable non-porous material including SLA and tooling board. We can provide hand finishing techniques, preparing master patterns to the required level. Finishes range from grades of spark texture to smooth matt and satin.

**Material** is zinc alloy with operating temperatures in the range of 400-430 °C, with the ability to reproduce exceptionally fine and complex detail with a high mechanical strength.

**Tolerances** are typically +/- 0.3%. This is controlled by allowing for shrinkage in the master pattern.

**Mould Sizes** range from 230mm (9") to 400 mm (15 ") with maximum depth of 55mm.

**Process Advantages** are low tooling costs, rapid turnaround (e.g. production quantities within days of receipt of masters) low production costs. Moulds can last for hundreds of spins with multiple cavities offering further economies.

For more information  
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