

centrifugal metal castings  
for scale models

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" for hobby  
and jewellery  
industries "

Most commonly used in the hobby and jewellery industries for producing white metal and pewter components quickly and cheaply. Our years of experience in mould-making have taken the process a few steps further. With these refinements we can reliably cast detailed and complex parts to minute scale in production quantities.

**Process Applications** include fine scale models, display/scenic, architectural models, film and TV effects, promotional models, giftware and fashion accessories.

**Master Patterns** should be made from a stable non-porous material, but not necessarily in metal. Much of our work is undertaken using resin, plastic or epoxy putty (e.g. Milliput) masters.

**Materials used in casting** are tin / lead or pewter alloys (inc. B.S. lead-free) with melting temperatures in the range of 200-250C, allowing production of exceptionally fine and complex detail. Mechanical strength is relatively low. Suitable for a range of finishing processes including grit blasting, polishing, electro plating or an 'antique finish'.

**Tolerances** depend upon type of mould used (i.e. cold or heat-cured), but are typically 0.5% - 1% **shrinkage** for heat-cured and 1% - 1.5% **expansion** for cold-cure.

**Mould Sizes** range from 150mm (6") to 330mm (13") with a maximum depth of 45mm.

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

For more information  
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