DIE CASTING







PRIMARY PROCESS

- TOOL DESIGN & MANUFACTURE
- MACHINES 120t 1600t

SECONDARY PROCESSES

- SHOT BLASTING
- SURFACE TREATMENT
- MACHINING
- POLISHING

MATERIALS

- ALUMINIUM BASED ALLOYS
- ZINC

One of the fastest, most efficient and economical manufacturing techniques for producing metal components in non-ferrous materials, such as aluminium, copper, zinc and magnesium alloys, by forcing molten metal, under high pressure, into a die mould. This results in a uniform part with good surface finish and dimensional accuracy requiring little, or no, post-machining.

A process chosen for high volume, mass production where a high degree of repeatability and accuracy is required and complex shapes, including thin walls, can be achieved.