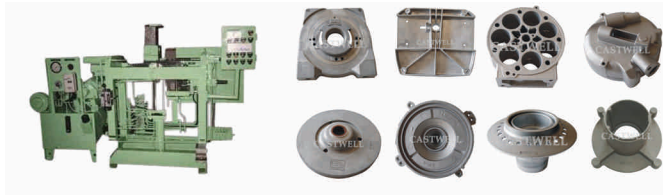


AUTOMOBILE PART BY DIE CASTING



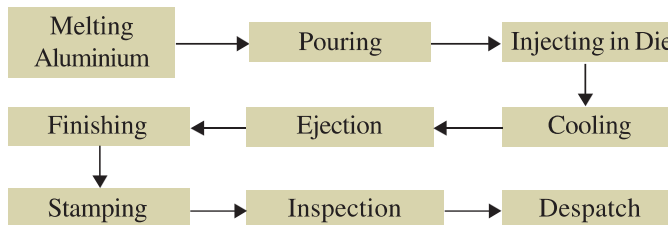
Production capacity/annum

150MT

Production process:

Aluminium is melt in a crucible furnace & the molten metal for single shot is poured into the pouring sleeve & then a piston forces the metal inside the die. The molten metal fills the die cavity and takes the shape on cooling. Dies are open and the cast component is ejected & taken for finishing. After finishing the goods are packed.

Process flow chart



Machinery & equipment required

- Horizontal cold Chamber pressure die casting
- Oil fired furnace
- Bench Grinder
- Pedestal Grinder
- Trimming Machine
- Miscellaneous Tools & Equipment

Raw material/consumables required per month basis

- Aluminium ingot 10 MT.
- Aluminium scrap 0.3 MT.

Utilities required

Power required (load)	:	30 KW
Water required	:	10 KL

Manpower required

Office Staff	:	2 Nos.
Supervisor	:	2 Nos.
Skilled	:	5 Nos.
Unskilled	:	7 Nos.

Area required

Total Area	:	300 Sq. Mtr.
Covered Area	:	250 Sq. Mtr.

Investment required

Machinery & Equipment	:	} ₹ 81.0 Lakhs
Working Capital for 3 Months (Raw material, utilities & salary)	:	