

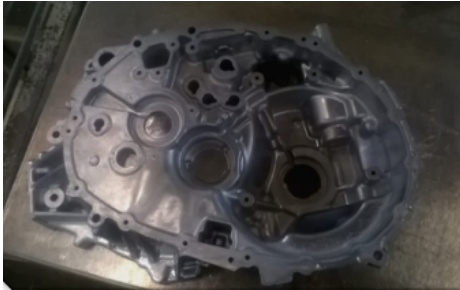
CASE STUDIES



**HIGH VELOCITY COOLING
UNIT TECHNOLOGY**

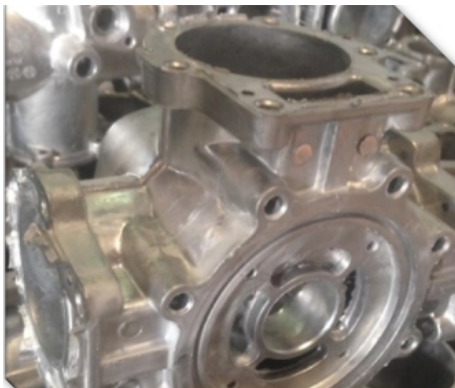


Case Transmission



Part Name	Case Transmission
Tonnage	1250 Ton
No. of Cavity	1 no.
Material	Aluminium
Problem Area	Pressure Leakage
Result	Greatly reduced after using our HVCU System

Meter Body



Part Name	Meter Body
Tonnage	670 Ton
No. of Cavity	1 no.
Material	Aluminium
Problem Area	Shrinkage
Result	Greatly reduced after using our HVCU System from 30% to only 9% rejection

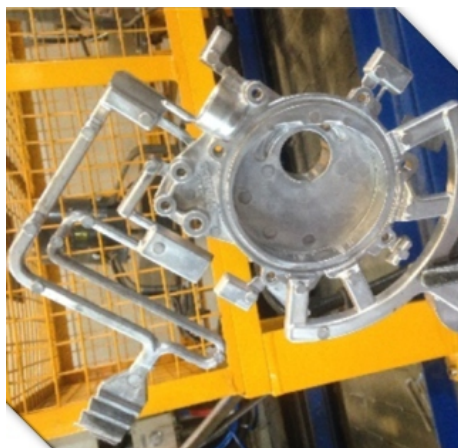
Cap Cam Shaft



Part Name	Case Transmission
Tonnage	530 Ton
No. of Cavity	2 no.
Material	Aluminium
Problem Area	Shrinkage Porosity
Result	Porosity reduced to a great extent [12% to 7%]



Engine Case Cover



Part Name	Engine Case Cover
Tonnage	350 Ton
No. of Cavity	1 no.
Material	Aluminium
Problem Area	Soldering Effect & Shrinkage Porosity
Result	Defects reduced to a great extent [11% to 5.5%]

Timing Case Cover



Part Name	Timing Case Cover
Tonnage	530 Ton
No. of Cavity	1 no.
Material	Aluminium
Problem Area	Shrinkage Porosities
Result	Porosity reduced to a great extent from 35% to only 6%