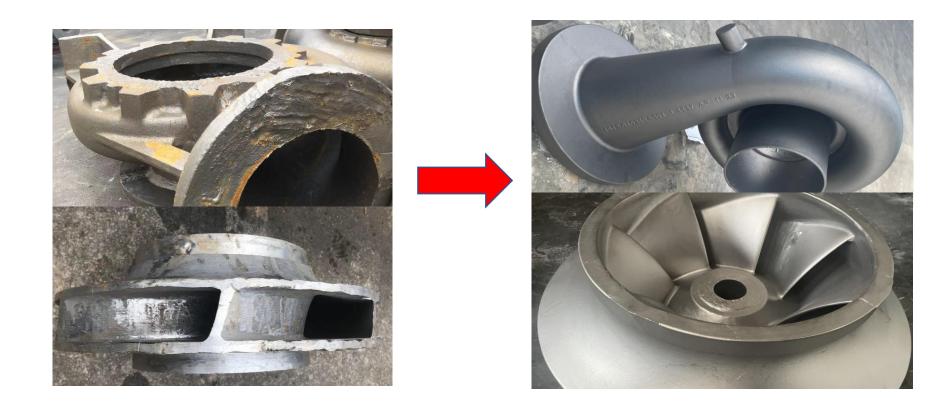


Ideal if you want the cost effectiveness and high quality of sand casting with the precision of investment casting, which target medium to large components ranging from 50-600KG.





Advantages compared with sand castings:

- 1. Casting weight will be 10%-20% reduced.
- 2. Machining allowance reduced by 30-50%.
- 3. Higher surface quality: Surface roughness can be to Ra3.2-Ra6.3 compared Ra12.5 with sand castings.
- 4. Increased dimensional accuracy:

 Dimensional accuracy at Ct7-Ct9 compared to Ct12-Ct14 with sand castings.
- 5. Overall cost of casting and machining close to sand castings or even lower.



Why the overall cost of casting and machining close to sand castings or even lower?

- Although the price per KG is higher than sand castings, the composite-cost is close to sand casting as the casting weight and machining allowance will be reduced.
- Some items the price are even lower than sand castings.
 e.g. the flow pump casing channel and impeller passage are no need to be polished if the roughtness Ra6.3 is required.









Main materials:

- Aus Stainless Steel (CF3M, CF8C...)
- Martensitic Stainless Steel (CA6NM, CA15...)
- Duplex Stainless Steel (4A, 5A, 6A, 1.4517...)
- Carbon Steel (WCB, WC6...)
- Ni-BasedAlloy (Alloy 20, CW-12MW...)

Applications:

- Pump Casings
- Pump Covers
- Impellers
- Valve Parts
- Machinery Components





Our primary aim is to work together with you for mutual benefit! Currently the milestone of this project are as below:

Size: 1100X900mm (Could be bigger as need).

Weight: 600Kg (Could be heavier as need).

Capacity: 160 Tons/month (Could be double as need).

Currently our customers such like Andritz, PSG, KSB, Sulzer, KETO etc. have taken an action to use investment castings instead of sand castings as massive as possible.

For some projects more heavyweight more benefit.

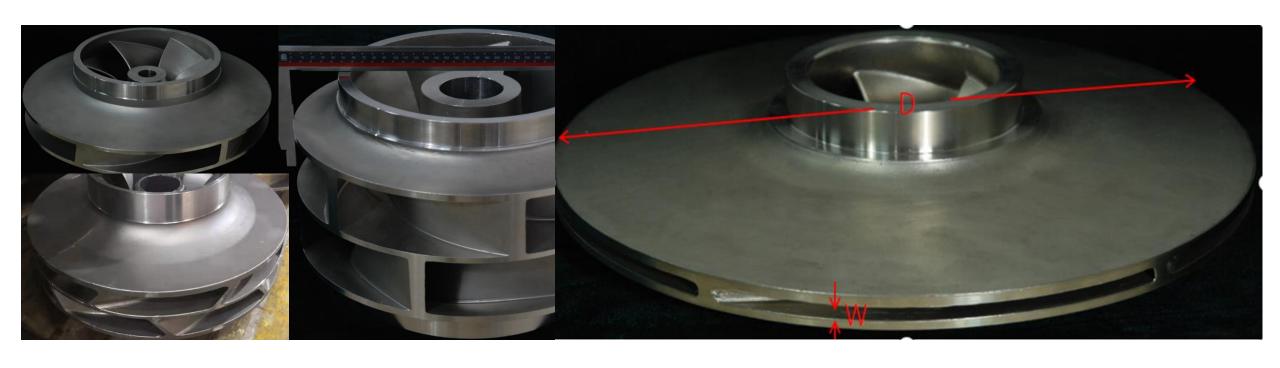
The typic successful projects as below:





Intermediate Case Diffuser Pump Casing





Impeller
Single & double section

Narrow channel impeller

Max. Diameter: Ø900mm,

Max. value: D/W=40





Stage Casing

Self priming case





Suction Casing

Suction Bell





Propeller & Impeller

Spiral propeller & Screws





Rotor

Bearing Housing