



APURVI INDUSTRIES

An ISO 9001: 2015 & IATF 16949 : 2016 Certified Company



Turning innovation into precision



Company Profile

Apurvi Industries is a powerhouse of performance that delivers on the parameters of quality, desired quantity and customization since the year 2000 cruising on the vision laid down by the founder chairman of the group.

From the foundation of fundamentally strong Group Companies, Apurvi Industries was born to raise the benchmarks of quality standards set by the group. The group flourished under the dynamic leadership of the Managing Director, as he took the reins of the group and propelled Apurvi Industries to the current heights of quality casting production capacity of 360 metric tons per Annum.



Quality Policy

“Attain maximum Customer satisfaction through delivering casting and services beyond contractual agreement, consistency in quality and commitment to maintain optimum infrastructure for precision engineering in Investment Casting and the core promise of management to uphold all these values and ethics.”



Technology

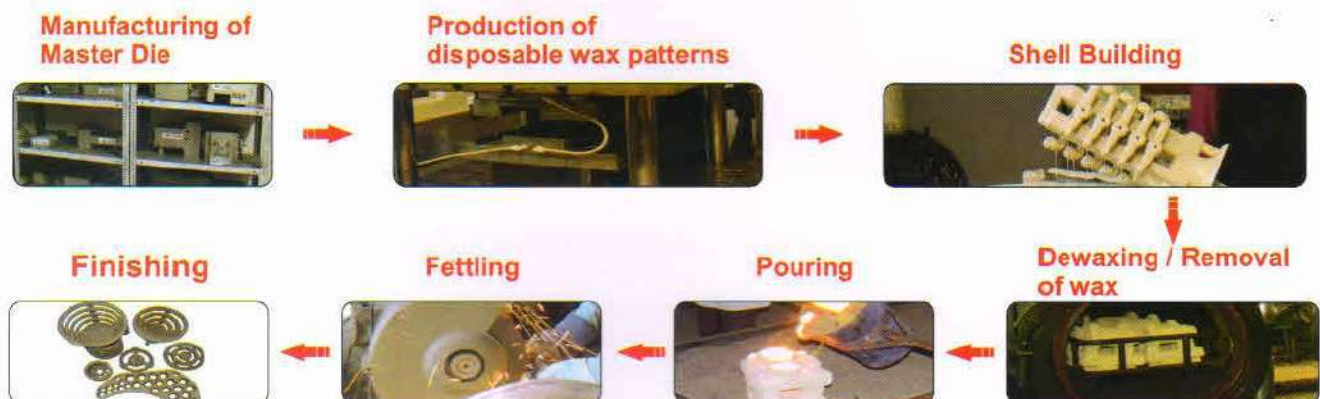
Customized casting form the main stray of our business, with sophisticated industrial design and complex engineering model becoming the driving force of our company. Attention to detail and complexities of the job underscore strongly our cohesive link with our clients' needs.

The Company deploys the latest machines and their continual improvements in quality for producing patterns to casting from complex toolings in an unbelievable range of configurations.

Today our thoroughness in employing the lost wax process for intricate designs has become legend. We manufacture prototype casting from silicon rubber molds, machined waxes and epoxy tooling made from a master. Generally, we can pour almost any alloy into the shells for any complex construction of casting.



Manufacturing Process



Applications of Investment Casting

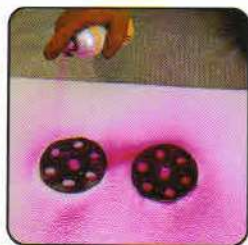


- Fire Fighting Equipments ● Instrumentation & Control ● Automotive Industries ● General Engineering
- Defence Equipments ● Pharmaceutical Machineries ● Dental / Orthopedic Implants ● Railway Industries
- Valves & Pump Industries ● Food Processing Machineries

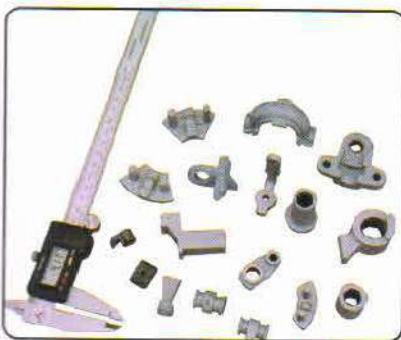
Quality Assurance



Inspection, Testing and/or Verifications is carried out to ensure that products are manufactured strictly as per customers requirements



Tolerance Guidelines & Design



| Nominal Dimensions of Rough Casting | Overall Dimensions in mm. | | | | | | | | Center Distance Tolerance For Holes & Bosses |
|-------------------------------------|---------------------------|-----------------|------------------|------------------|------------------|-------------------|--------------------|--------------------|--|
| | Up to 6 | Over 6 Up to 10 | Over 10 Up to 18 | Over 18 Up to 30 | Over 30 Up to 80 | Over 80 Up to 180 | Over 180 Up to 300 | Over 300 Up to 500 | |
| Over 6 | ± 0.10 | ± 0.12 | ± 0.15 | ± 0.20 | ± 0.25 | ± 0.25 | ± 0.30 | ± 0.35 | ± 0.12 |
| 6 to 10 | | ± 0.12 | ± 0.15 | ± 0.20 | ± 0.25 | ± 0.30 | ± 0.35 | ± 0.40 | ± 0.12 |
| 10 to 18 | | | ± 0.20 | ± 0.30 | ± 0.35 | ± 0.40 | ± 0.45 | ± 0.50 | ± 0.15 |
| 18 to 30 | | | | ± 0.30 | ± 0.40 | ± 0.45 | ± 0.50 | ± 0.55 | ± 0.25 |
| 30 to 80 | | | | | ± 0.55 | ± 0.60 | ± 0.70 | ± 0.75 | ± 0.35 |
| 80 to 180 | | | | | | ± 0.60 | ± 0.70 | ± 0.90 | ± 0.45 |
| 180 to 300 | | | | | | | ± 1.00 | ± 1.15 | ± 0.70 |
| 300 to 500 | | | | | | | | ± 2.00 | ± 0.90 |

- Tolerance on angle :- ± 1Degree
- Surface Roughness : As cast : 3.2 to 6 Ra μ m.
- More Closer dimension tolerance also can be achieved, as per international standard, with additional operations.
- Configurations like, small hole, blind hole, slot, groove, serration, knurling, under-cuts can be achieved as cast, depending upon complexity and size of the components.