



SHREE MATANGI

INVESTMENT CASTING PVT. LTD.

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

Turning innovation into precision



Company Profile

Shree Matangi Investment Casting 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, Shree Matangi Investment Casting 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 Shree Matangi Investment Casting 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

Manufacturing of Master Die



Production of disposable wax patterns



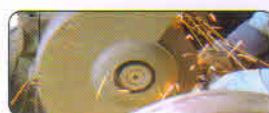
Shell Building



Finishing



Fettling



Pouring



Dewaxing / Removal of wax



Applications of Investment Casting

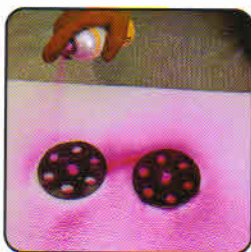
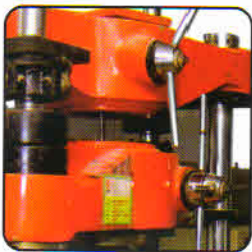


- Fire Fighting Equipments ● Instrumentation & Control ● Automotive Industries ● General Engineering
- Defence Equipments ● Pharmaceutical Machineries ● Dental / Orthopedic Implants ● Railway Industries
- Valves & Pump Industries ● Food Processing Machineries

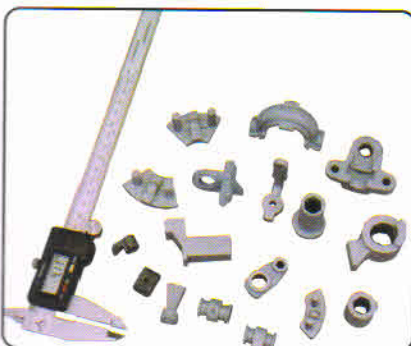
Quality Assurance



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	Over 10	Over 18	Over 30	Over 80	Over 180	Over 300	
Over 6	Up to 6	Up to 10	Up to 18	Up to 30	Up to 80	Up to 180	Up to 300	Up to 500	± 0.12
6	10	± 0.12	± 0.15	± 0.20	± 0.25	± 0.25	± 0.30	± 0.35	± 0.12
10	18	± 0.12	± 0.15	± 0.20	± 0.25	± 0.30	± 0.35	± 0.45	± 0.12
18	30		± 0.20	± 0.30	± 0.35	± 0.40	± 0.50	± 0.55	± 0.15
30	80			± 0.30	± 0.40	± 0.45	± 0.50	± 0.65	± 0.25
80	180				± 0.55	± 0.55	± 0.60	± 0.75	± 0.35
180	300					± 0.60	± 0.70	± 0.90	± 0.45
300	500						± 1.00	± 1.15	± 0.70
								± 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.

Advantages of Investment Casting with Shree Matangi...

- On time Delivery.
- Superior Investment Casting quality adhering to various standards.
- Flexibility in planning and development of Samples for approval.
- Continuous training of our engineers and technicians for best efficiency and quality.
- Effective communication with max 24Hrs feedback time.
- Achieves close tolerances and near to net shape casting.

Shree Matangi Investment Casting Pvt. Ltd.

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