

# Aluminium Casting

Aluminium Casting Manufacturers in Chennai–Shiva Shakthi is the leading Aluminum Casting manufacturers offers a complete spectrum of solutions

Aluminium Casting Manufacturers in Chennai – Shiva Shakthi Metal Works is exist to provide our customers with superior aluminum castings by ensuring a safe work environment for all employees, a quality system focused on consistent process control, an innovative culture of continues improvement and people who are dedicated to providing class service. So without any hesitate, browse our website to place your order. Drop your requirement via the enquiry form on the website or call the given number now 73387 52159. We are happy to help you in all possible ways.

## Benefits Of Aluminum Casting in Chennai

Aluminum is the most commonly used cast Aluminum in die casting. There are many reasons for choosing aluminum alloy for die casting due to its lightweight, good surface finish, corrosion resistance, low weight, good stiffness and high conductive, die casting processes is very cost effective and allow manufacturers to produce products in Aluminum casting production.

Some advances in aluminum die casting are there:

1. Fully recyclable without impacting properties
2. Corrosion resistance
3. Use where require electrical conductive
4. Cost-effective
5. Easy to available material
6. Best for mass production

## Die Casting Materials in Chennai

Die casting tools made from hot work steels are one of our specialties'. Thanks to decades of effective work and close cooperation with our customers with the help of die casters, producers of die casting machines, we tailor our products to match requirements such as:

- High wear resistance
- High temperature strength
- High temperature toughness
- High temperature fatigue resistance
- Low adhesion tendency

## The Advantages Of Each Alloy with a summary of Aluminium Casting:

**Zinc:** the easiest metal to cast; high ductility; high impact strength of casting aluminums; easily plated alloy; economical for small parts; promotes long die cast metal life.

**Aluminum:** Lightweight; high dimensional stability for very complex shapes and thin walls; good corrosion resistance of aluminums casting; good mechanical properties of Shiva Shakthi; high thermal and electrical conductivity of aluminium Casting; retains strength at moderately high temperatures.

**Magnesium:** The easiest metal to machine; excellent strength-to-weight ratio; lightest alloy commonly die cast.

**Copper:** High hardness; high corrosion resistance; highest mechanical properties of alloys die cast; excellent wear resistance; excellent dimensional stability; strength approaching that of steel parts.

**Silicon:** High-strength alloy made of copper, zinc and silicon. Often used as an alternative for investment cast steel parts of the aluminium.

**Lead and tin:** High density of aluminum; Extremely close dimensional accuracy casting; used for special forms of corrosion resistance. Such alloys are not used in applications for public taught reasons. Type metal, an alloy of lead, tin and antimony is used for casting hand-set type in letterpress printing and hot foil blocking.

Traditionally cast in hand jerk moulds now predominantly die cast after the industrialization of the type foundries. Around 1900 the slug casting machines came onto the market and added further automation, with sometimes dozens of casting machines at one newspaper office.

