SK Engineering Solutions

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SK Engineering Solutions

One Stop Solution Provider

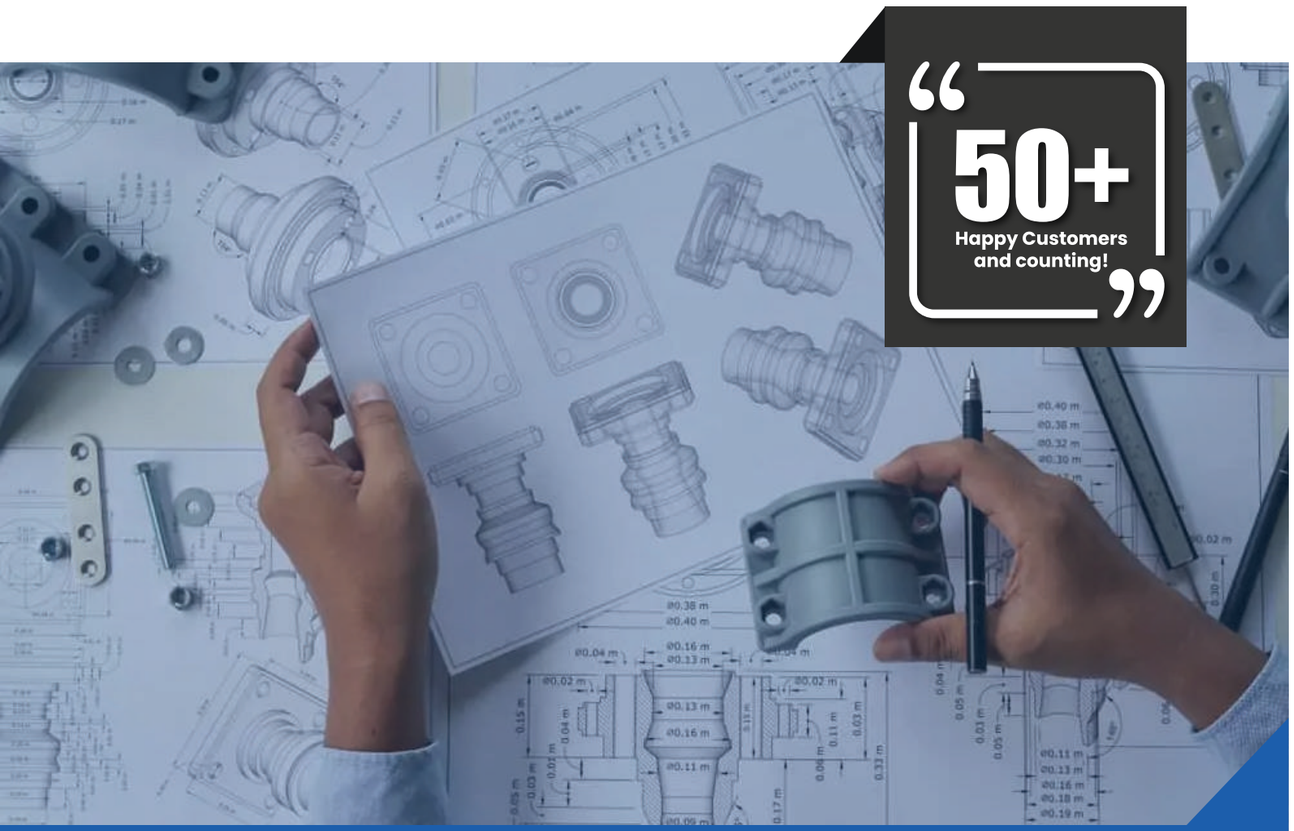
Innovative Solutions for

Manufacturing & Design

ABOUT US

SK Engineering Solutions LLC evolved with the simple idea of serving customers with the best products at competitive prices. With over 5 decades of experience in precision machining, Casting and Forging, we have the capability to meet all the customer needs. Our pillar for success lies in our enthusiasm for innovative solutions to serve customers. At SK Engineering Solutions LLC., we always engage in learning and implementing newer technology for constant optimization of our products.

SK Engineering Solutions LLC has emerged as a go to supplier for high-quality precision machining, casting and forging parts at competitive prices. At SK Engineering Solutions LLC., we are committed to providing innovative Manufacturing and Design solutions to various industries. We are serving a wide variety of markets through our products and solutions. With our technological expertise, personal accountability for work undertaken, and – last but by no means – the motivation and enthusiasm of our employees, we develop positive relationships with all customers. At SK Engineering Solutions LLC. , we thrive to provide on-time delivery of products by using excellent shipping and freight services and through direct communication between all the technical divisions.



CAPABILITIES

- Investment Casting
- Sand Casting
- Forging
- Pressure Die Casting
- Injection Molding
- Precision Machining

Investment
CASTING

Investment casting is a manufacturing process in which a liquid material is poured into a ceramic mold, which contains a hollow cavity of the desired shape, and then allowed to solidify. The solidified part is the casting, which is broken away from the ceramic mold to complete the process.

Single Piece Capacity:

- Size: Upto 500x500x300mm
- Max. Weight: upto 200 kgs

Sand
CASTING

Sand casting involves the pouring of molten metal into a cavity-shaped sand mold where it solidifies. The mold is made of sand particles held together with an inorganic binding agent. After the metal has cooled to room temperature, the sand mold is broken open to remove the casting.

Single Piece Capacity:

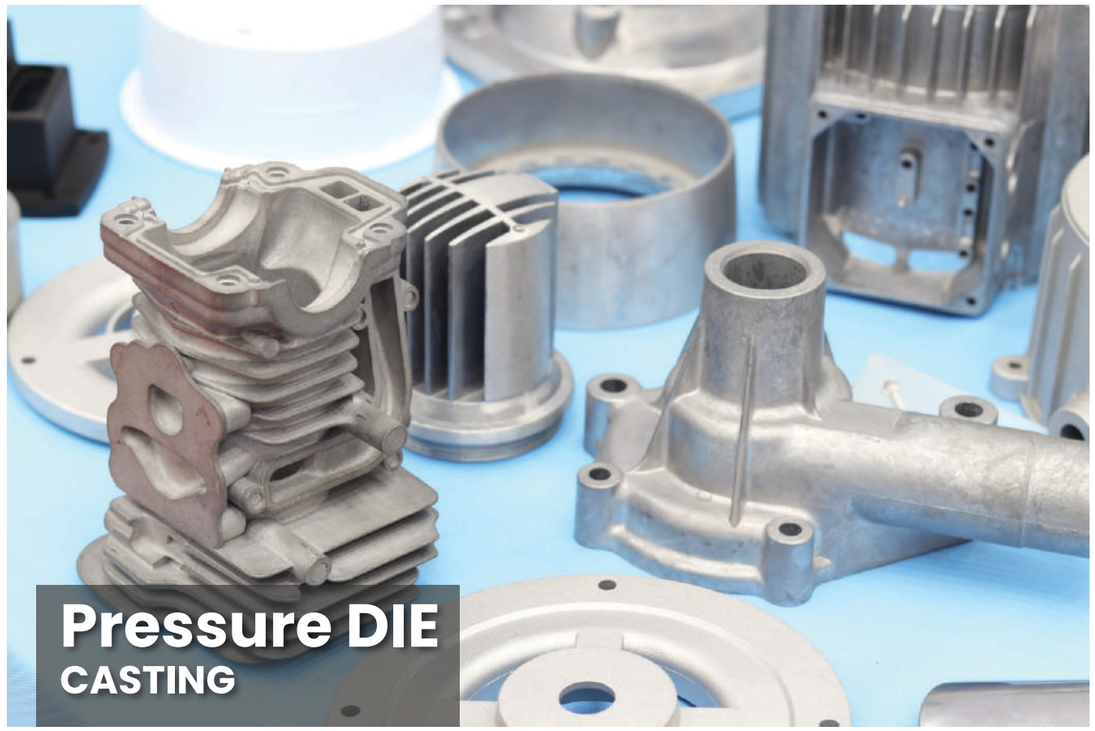
- 1 to 1200 kg per piece

FORGING

Forging is a manufacturing process involving the shaping of a metal through hammering, pressing, or rolling. These compressive forces are delivered with a hammer or die. Forging is often categorized according to the temperature at which it is performed—cold, warm, or hot forging. A wide range of metals can be forged.

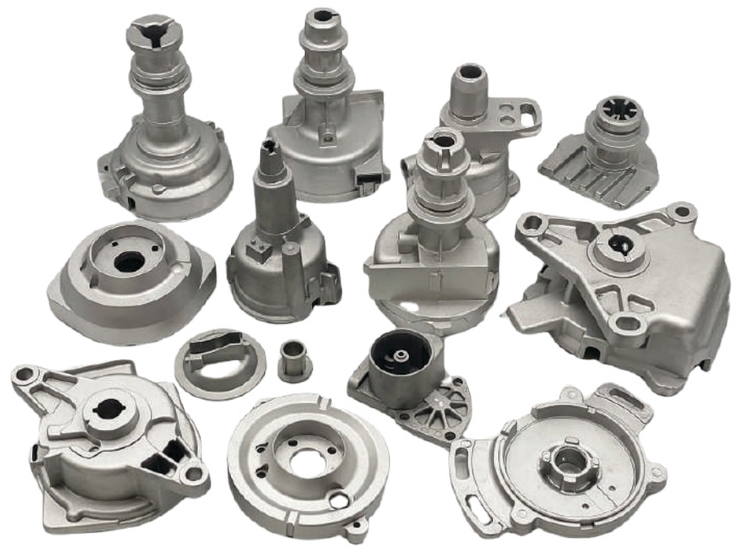
Single Piece Capacity:

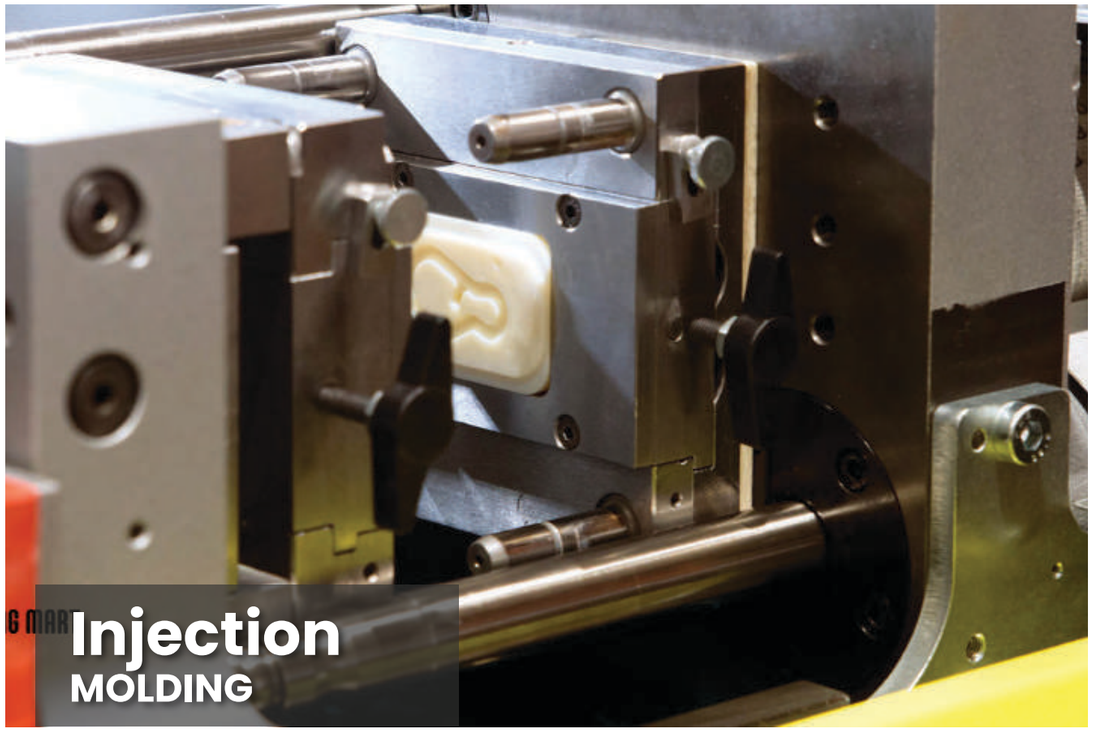
- 300 mm in dia. & 10 Kg in weight (Ring Rolling)
- 400mm in dia. & 20 Kg in weight (Hammer Forging)



Pressure DIE
CASTING

High-pressure die casting is a process in which molten metal is forced under pressure into a securely locked metal die cavity, where it is held by a powerful press until the metal solidifies. After solidification of the metal, the die is unlocked, opened, and the casting ejected.





Injection
MOLDING

The process involves the injection of heated, liquified plastic into a temperature-controlled mold under high pressure. After the plastic fills the mold, it cools and solidifies into finished part(s) which can be easily removed when the machine opens the mold.

Precision
MACHINING

Precision machining is a process that removes excess, raw material from a workpiece, while holding close tolerance finishes, to create a finished product. Simply put, it means shaping large pieces of material into more precise parts, so that they can meet very exact specifications.

Single Piece Capacity:

- **Maximum job size**
  35.4 x 27.6 x 27.6 in
  Precision upto 3µ

INDUSTRIES WE CATER


Wire and Cable Extrusion


Railway Components


Valve and Pump manufacturers


Oil and Gas Industries


Automotive manufacturer/OEM parts


Agricultural Equipment manufacturer

OUR STRATEGY