

INNOWERX

Year of
Establishment
2021




Our Services

- ➔ Casting Services
- ➔ Forging Services
- ➔ Precision Machining Services
- ➔ Sheet Metal Services
- ➔ Plastic Injection Moulding Services
- ➔ Heat Treatment Services
- ➔ More...

SERVICE PROVIDER

Innowerx Manufacturing Services Private Limited

Established in the year 2021 with an aim to provide end to end manufacturing assistance to Technology and Engineering companies located overseas for their product development cycle. The Company has a manufacturing setup in the prime location of Navi Mumbai giving it a strategic access to an extensive supplier network catering across industry sectors such as Aerospace, Automobile, Steel, Energy, Plastic etc.

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About Us

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We are committed to providing the finest of manufacturing experiences with minimal intricacies and management troubles. We work with you to co-create innovative and futuristic products while ensuring 100% delivery of their value & service. We have established a global ecosystem comprising of : critical part suppliers, outsourcing vendors, business partners, industry experts and consultants having expertise across wide range of industry domains such as castings, forgings, additive manufacturing, machining, welding, heat treatment, surface engineering, sheet metal, tool and die making, plastics and polymer, electronics and automation etc.

Vision – Establish an ecosystem for holistic development of innovative, breakthrough and futuristic products

Core values font color should be in black, currently it looks like dark grey. Service Provider has been repeated twice.

Mission – Provide World Class Manufacturing services to all clients globally

Core Values

- World Class Manufacturing – We will adopt the latest technology and best industry practices to ensure 100% compliance to customer requirements, on time delivery and value for investment

INNOWERX



- Integrity – We aim to provide our external stakeholders with fair conduct, honest and transparent communication, and ethical practices
- Pioneering – We will keep an optimistic approach towards challenging situations and find ways to explore innovative solutions
- Accountability – We take onus and complete responsibility and accountability for our actions
- Sustainability – We will establish a Business Management System which is autonomous and driven by continual improvement

Name of Founder
Mr. Vivek Kudva

Nature of Business
Service Provider

Year of Establishment
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Nature of Business
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Casting Services

It is a process of making parts by pouring molten metal into a die and then cooling it to room temperature so that it takes the shape of the die.

It is a less expensive method of manufacturing compared to machining an entire piece of solid metal.



Forging Services

Forging is a manufacturing process involving the shaping of metal using localized compressive forces of a hammer or a die (Open Die & Closed Die).

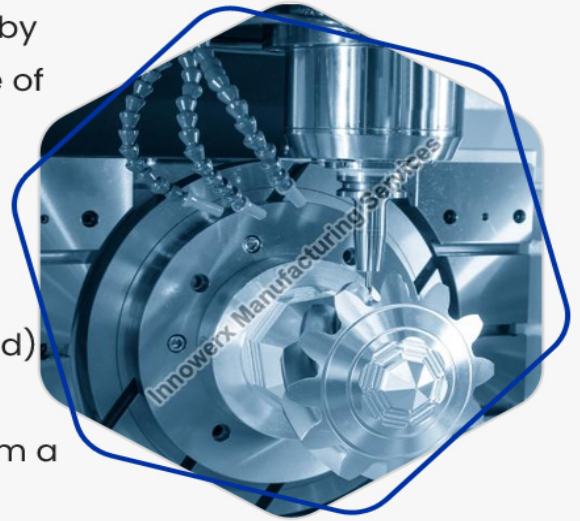
Forgings are broadly classified based on the temperature at which it is formed as Cold, Warm & Hot forging. For the latter two, the material is heated up to a certain range of temperature. Depending on the type of die used, the Closed die shall provide better dimensional control and strength.



Precision Machining Services

It is a process that creates a desired shape and size by removing the unwanted material from a larger piece of metal i.e Subtractive Manufacturing.

A plethora of machining options are available depending on the part geometry, profile to be achieved, GD & T requirements, surface finish, throughput etc. CNC (Computer Numerical Controlled) machining is a widely used manufacturing process that uses automated high-speed cutting tools to form a particular feature from metal or plastic.



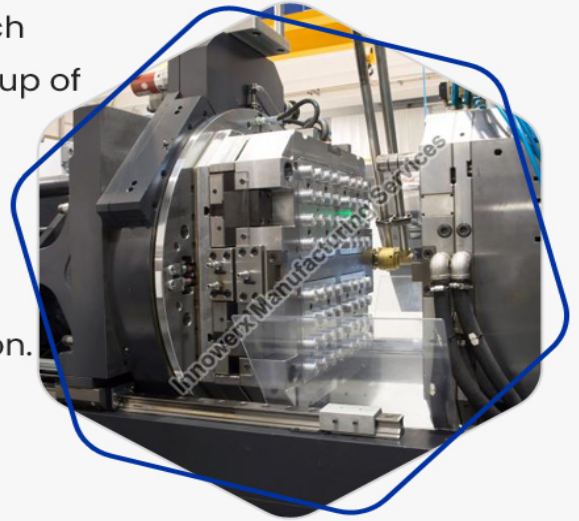
Sheet Metal Services

Sheet metal is one of the fundamental forms used in metal working, and it can be cut and formed into a variety of shapes by different methods. Sheet metals are manufactured by cold or hot rolling depending on the type of material and final sheet thickness to be maintained. Generally, if the sheet thickness is below 6mm then it is called sheets and above it is called as plates. They are available for industrial use in the form of flat pieces or coiled strips and shall be selected based on part to be manufactured and its quantum of production.



Plastic Injection Moulding Services

Injection molding is a manufacturing process in which molten plastic is injected into a mold which is made up of steel or aluminum. Principally it is like a die casting process used for making metal parts. The semi-molten plastic is injected into a feeding system and traversed to the mold before passing through feed, transition, and metering section.



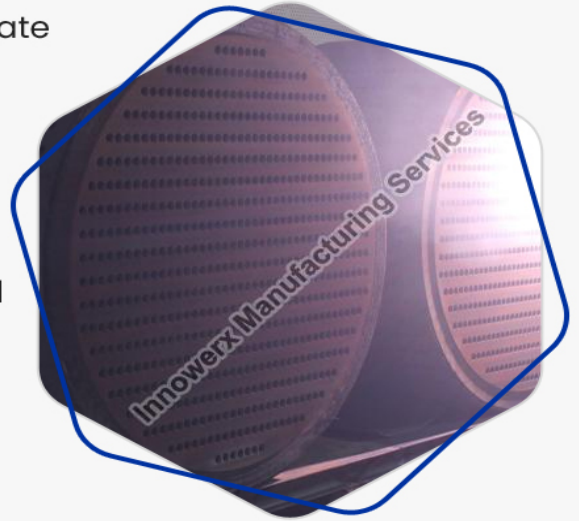
Heat Treatment Services

Process of heating metal without letting it reach its molten state and then cooling it in a controlled manner to achieve desired mechanical properties. The Heat Treatment consists of : a) heating cycle in which the part is heated at a consistent rate till a certain temperature b) soaking cycle in which the part is held at a particular temperature c) cooling cycle in which the part is cooled using different cooling media to achieve the desired properties. The cooling cycle is the most crucial stage of HT cycle as it determines the final grain structure thereby influencing the mechanical properties of the metal.



Surface Treatment Services

Generally, a layer of metal is deposited over a substrate for either aesthetic or functional purposes. It is an electrolytic process in which the part to be plated is usually used as a cathode and the metal to be deposited is used as an anode. Both the electrodes are dipped in an electrolytic solution generally mixed with a catalyst and charged with DC current to start the plating process.



Welding Services

Welding is a process of joining metals or thermoplastics by using a high amount of heat generated by a power source. This melts the material to fuse together and form a metallurgical bond which is protected by a shielding inert gas to prevent contamination and oxidation. Few commonly known welding services offered by us include GMAW (Gas Metal Arc Welding), GTAW (Gas Tungsten Arc Welding), SMAW (Shielded Metal Arc Welding), FCAW (Flux Cored Arc Welding) and Laser Welding.



3D Printing Services

Also called Additive Manufacturing, it is a process where part geometry is grown by depositing and fusing multiple layers one after the other. The part is manufactured as per the 3D CAD model and fed into its computing system. 3D printing can be classified into different types based on the type of material used for manufacturing.



Testing & Assembly Services

To ensure 100% conformance to customer requirements the part goes through multiple stages of testing throughout its supply chain. With the help of our in-house test setup and network of NABL certified labs, we can perform a range of tests for raw materials, chemicals, and mechanical properties; verification, validation of coated, plated, and welded samples, microstructure analysis, NDT, dimensional inspection, and several other tests based on project requirement on case basis.



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