



TM

NEXUS

ENGITECH

Connecting
Needs with
Products

Innovative Solutions
Manufacturing
& Design

About Us



Nexus Engitech was conceived with a fundamental mission: to deliver top-notch products at competitive rates. Drawing upon our expertise in precision machining, casting, and forging, we possess the capabilities to fulfil diverse customer requirements. Our key to triumph lies in our fervour for pioneering solutions that cater to our clients.

At Nexus Engitech, we consistently embrace learning and integrate cutting-edge technology to optimize our products continuously. In the realm of high-quality precision machining, casting, and forging components, Nexus Engitech has established itself as the preferred supplier, offering competitive pricing. Our commitment extends to furnishing innovative manufacturing and design solutions across various industries, catering to a broad spectrum of markets. With our technological proficiency, individual responsibility for undertaken tasks, and the unwavering motivation of our team, we cultivate positive relationships with all clients. Nexus Engitech is dedicated to ensuring timely product delivery, facilitated by exemplary shipping and freight services, coupled with direct communication among our technical divisions.



Capabilities

Investment Casting

Sand Casting

Precision Machining

Pressure Die-Casting

Injection Moulding

Engineering Plastics

Forging

3D Printing

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.

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

Size : Upto 500x500x300mm
Max. Weight : 75 KGs. Max.



Single Piece Capacity

1 to 101 Kgs Per Unit

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.

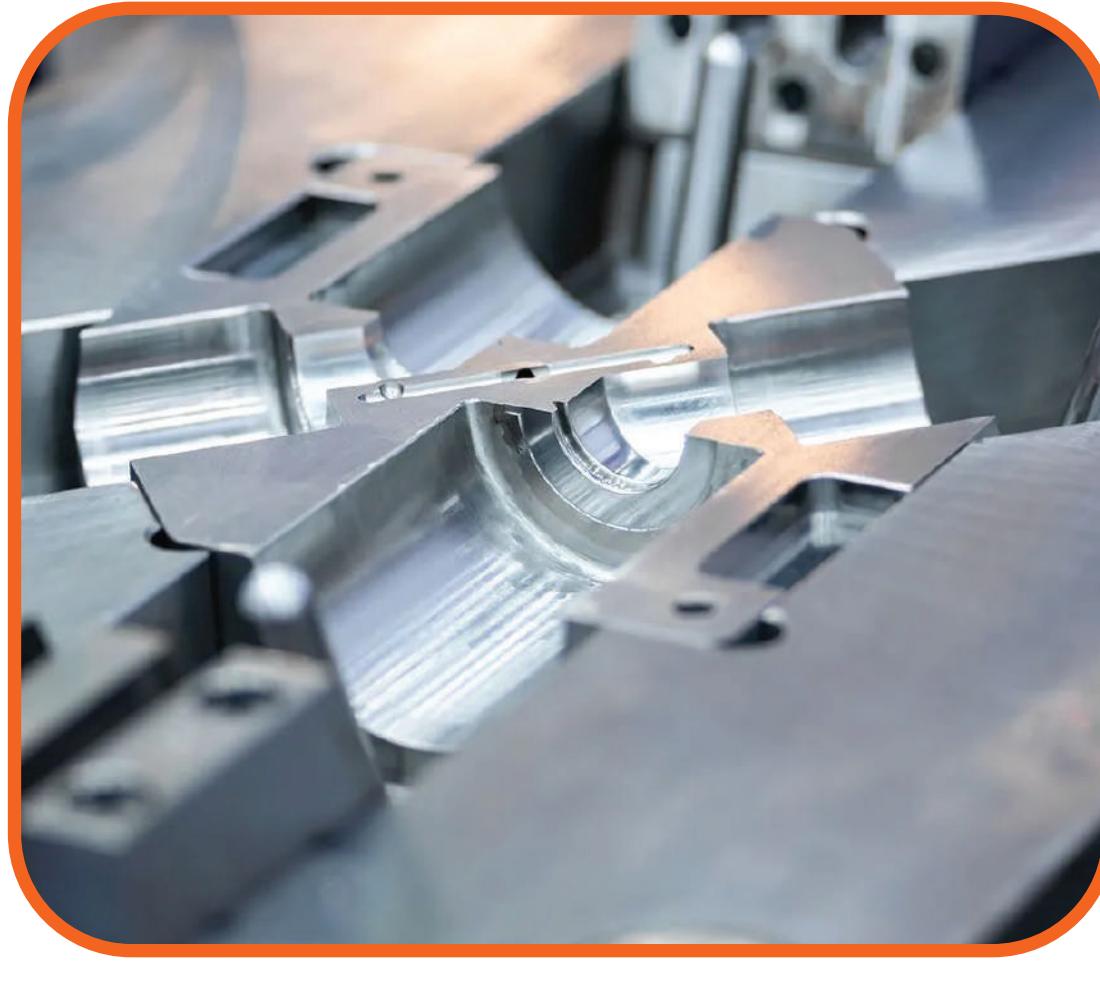


Single Piece Capacity

300mm in dia. & 10kg in weight
(Ring Rolling)

400mm in dia. & 20kg in weight
(Hammer Forging)

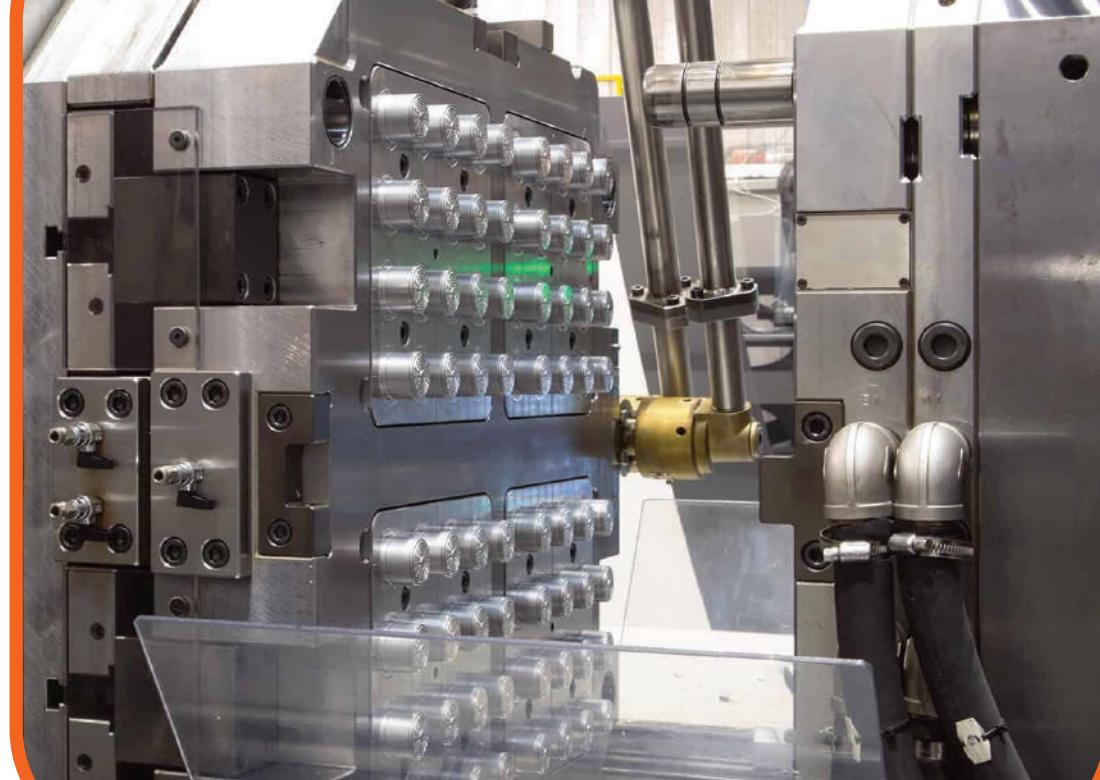
Pressure Die Casting



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



Injection Molding 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



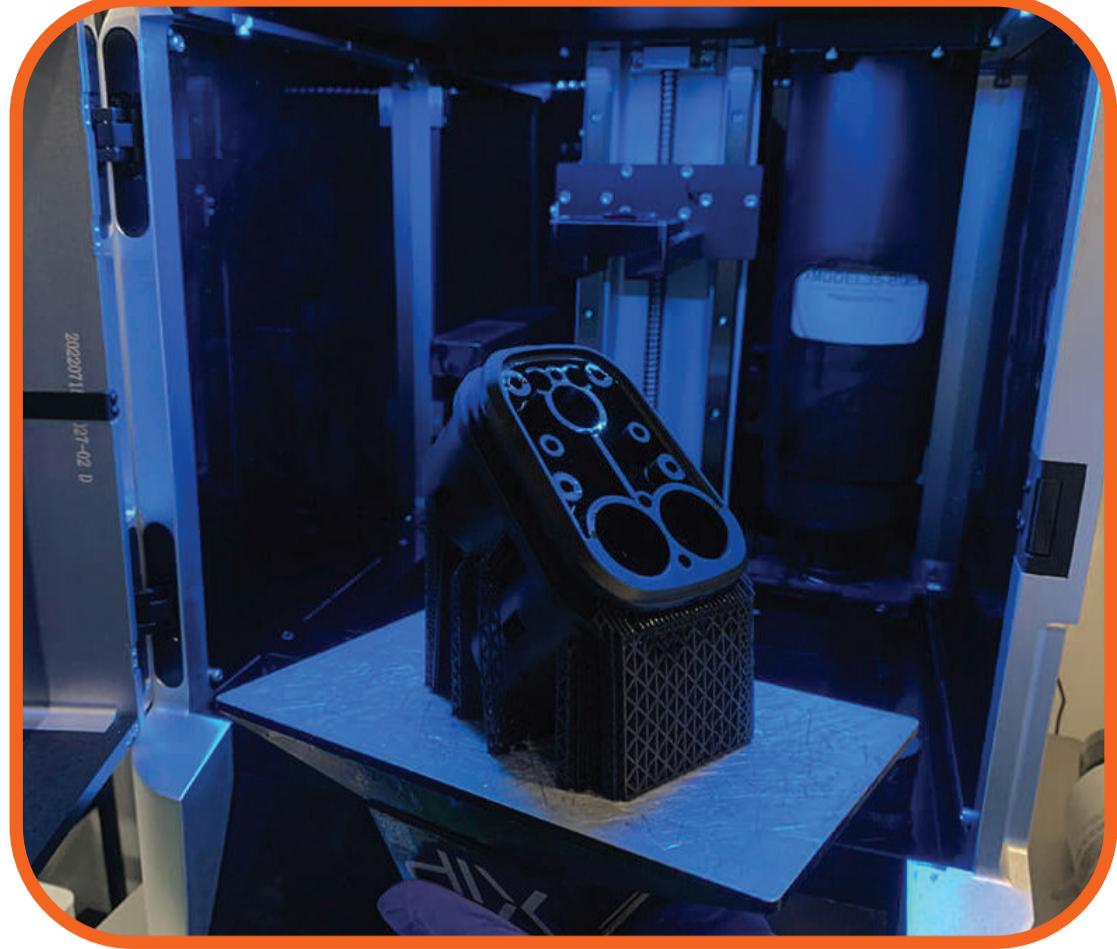
Precision machining is a process that removes excess, raw material from a workpiece, while holding close tolerance finishes, to create a finished product. Simply put, it means shaping large pieces of material into more precise parts, so that they can meet very exact specifications.



Single Piece Capacity

Maximum Job Size
35.4 x 27.6 x 27.6 in
Precision Up to 3µ

3D Printing



3D printing, also known as additive manufacturing, is a revolutionary technology that transforms digital designs into physical objects by layering materials with precision and accuracy. This innovative process enables the creation of complex geometries, rapid prototyping, and custom solutions across industries like manufacturing, healthcare, aerospace, and architecture. By offering cost efficiency, reduced waste, and design flexibility, 3D printing empowers businesses to innovate faster and bring ideas to life like never before. We provide 3D printing solutions in different methods like FDM, SLA, DLP and SLS.

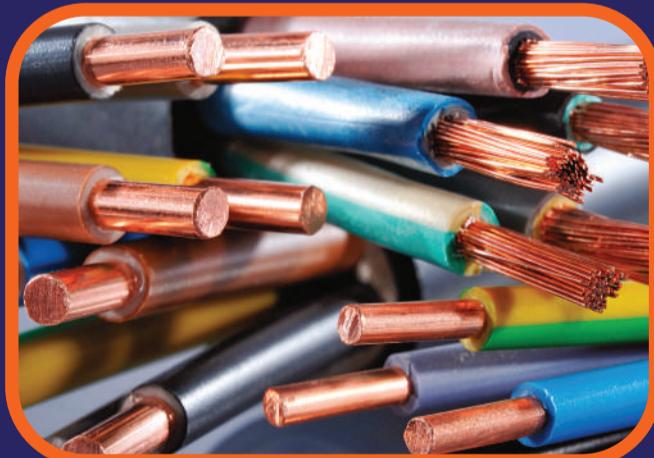
Engineering Plastics



Engineering plastics are high-performance polymers designed to replace metal and other traditional materials in demanding applications, offering superior mechanical, thermal, and chemical properties compared to standard commodity plastics. They are used in automotive, medical, and industrial sectors due to benefits like lightweight construction, corrosion resistance, and excellent durability. Examples include polycarbonate, nylon, PE, PP, PEEK, PEAK, PTFE, etc.



Industries We Cater



Wire & Cable Extrusion



Valve & Pump Manufacturers



Railway Components



Oil & Gas Industries



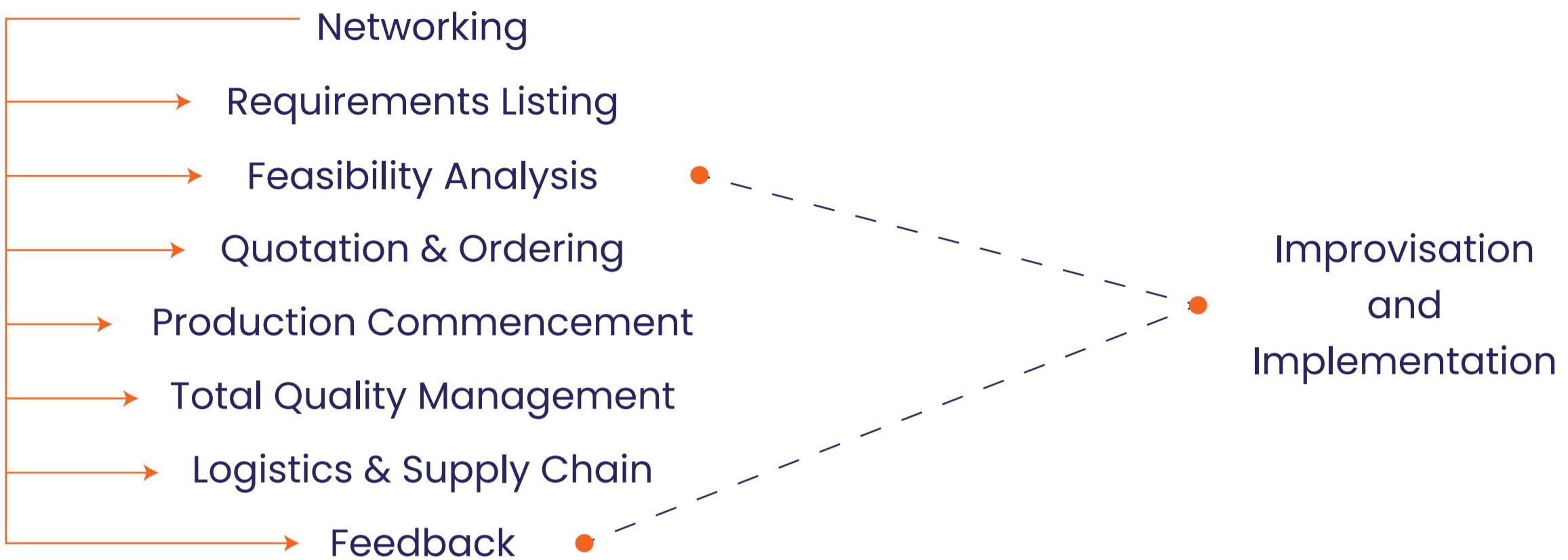
Agricultural Equipment Manufacturers



Automotive Manufacturers



Our Strategy



TM

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