

Kisaan Die Tech is more than a forging company – we are a vertically integrated supplier of high-quality components for industrial and laboratory applications to clients around the world.

> **Forging** the way forward

KISAAN
DieTech

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With a range of capabilities, a global logistical network, and complete control of our supply chain, **Kisaan Die Tech** is here to deliver your next manufactured solution.

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As a vertically integrated enterprise, we provide our valued clients with unique advantages that result in the highest quality forged and cast components at the most competitive cost. Our **commitment to excellence** extends to all stages of manufacturing: material selection, forging, heat treatment, precision machining, shipping, and warehousing.



> Material Selection

We begin each forging by sourcing the highest-quality material for the application. Our team of manufacturing experts will work with you to select the most suitable material and develop the ideal forging and heat treatment cycles for your requirement. Suppliers are selected based on their ability to consistently deliver secondary-refined steel with low residual elements and low inclusion content. At various points during the manufacturing process samples are taken and tested to ensure that quality standards are met. Each forging is marked and tracked as it moves through the production cycle to ensure process conformance and quality.

> Forging

Forging is an ideal way to manufacture components requiring strength, toughness, and fatigue resistance. Forging results in components with more uniform density, improved grain structure, and superior mechanical properties. Forging can further enhance the properties of a component by improving grain flow.

Forged components provide:

- Improved mechanical properties,
- Reduced machining costs and time,
- Higher load bearing capacity with lighter weight,
- Low to high volume production runs, and,
- Comparable cost to cast and wholly machined components.

Our in-house die manufacturing shop designs and manufactures open and closed forging dies for most applications.

Kisaan Die Tech has been forging high quality components for more than twenty years. Our forging capabilities and expertise are the foundation on which we have built our success.

> Heat Treatment and Quality Control

Heat treatment is a key component of a quality forged or cast component. Kisaan Die Tech offers heat treatment options to improve the properties of metallic components, including annealing, hardening, stress relieving, quenching, and tempering. Specialized heat treatment processes, such as induction hardening, carburizing, and nitriding can be conducted at partner facilities in India or North America.

Our regimen of chemical, mechanical and Non-Destructive testing ensures that every forging we produce meets our high-quality standards. All our Quality Control Engineers are certified at Level II under ASNT's SNTTC-1A guidelines. Kisaan Die Tech's Non-Destructive Testing programme is overseen by a Level III ASNT metallurgist. In addition to in-house testing, Kisaan Die Tech is also able to provide third-party analysis by independent agencies, such as TUV, Det Norske Veritas, Lloyd's Register, through NABL (National Accreditation Board for Testing and Calibration Laboratories, India) approved laboratories and through certified laboratories in North America.

> Precision Machining

After forging and heat treatment, Kisaan Die Tech can also machine components to your specifications. Our integrated facility in India and our North American facility both have a wide range of precision CNC lathes, multi-axis CNC milling machines, and CMM measuring capabilities. Final products are carefully inspected for dimensional tolerances and surface finish before being packaged to your specifications. Test certificates are included with each shipment and as required.

Testing and inspection programs can also be customized to your requirements.

> Custom Manufactured Solutions

In addition to forged components, Kisaan Die Tech has a global network of material and component manufacturers that can also provide:

- Stainless and carbon steel Investment castings,
- Aluminum Pressure Die castings,
- Aluminum Gravity Die castings,
- Phosphor Bronze Centrifugal castings,
- Sheet Metal and Fabricated components.

> Shipping and Warehousing

Kisaan Die Tech works with several brokerage and shipping companies to ensure that your components are delivered on time, anywhere. We also offer warehousing services in Asia (India) and North America (Ontario, Canada). Our warehousing services can facilitate just-in-time delivery and ensure the security of your supply chain while reducing inventory management costs.

> Certifications

- Quality Management System: ISO 9001:2015
- European Union's Pressure Equipment Directives: PED 2014/68/EU and AD 2000-Merkblatt WO
- Occupational Health and Safety: ISO 45001:2018
- Environmental Management System: ISO 14001: 2015
- NORSOK M-650 Ed.6: Duplex A182 F51 and A182 F316
- Canadian Registration Number (CRN), B16 line of Flanges
- IBR Well Known Forge
- LR MARINE Approved Manufacturer
- EIL Enlistment

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