

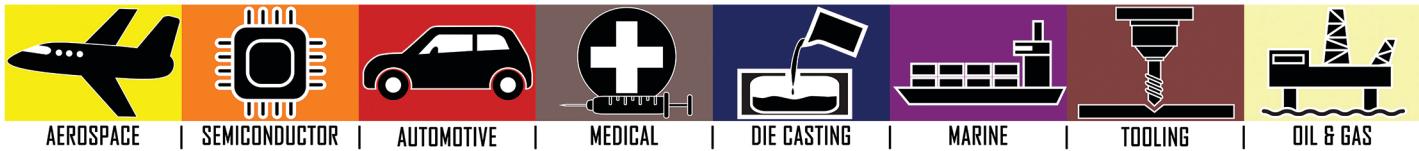
One-Stop Quality Assured Heat Treatment Service Provider

Established in 1986, we are a one-stop heat treatment solutions provider with the ability to offer further value-added services, which include failure analysis, interpretation of a report to customers, blueprinting solutions to problems, heat treatment consultancy, sourcing of special materials and consumables/ equipment, plus training and cost improvement consultancy for tooling, etc. It is not uncommon to find us looking at parts together with our customers to understand their requirements and suggest treatments that suit their needs.

At Hitech, quality is built, not inspected. Our decades' worth of experience has endowed us with a keen sense of the key standards required for the various industries. We are on a continuous quest for excellence in our field of work, establishing, consistently maintaining and improving on an effective and dynamic quality system which ensures that it is always relevant and meets the needs and requirement of every customer.



You cook food, We cook metals



Metals are versatile materials used across industries. Heating and cooling (and maybe heating again, depending on the required outcome) can be applied to metals and its alloys in a multitude of ways to change the material's properties to suit the intended applications.

Metals may be heated, soaked, cooled at specific and varied temperatures, durations and rates to guide the micro-structure changes to attain the required microstructure for the desired physical, mechanical, magnetic, or electrical properties.

Our Services

- Hardening & Tempering
- Homogenize / Solution Treatment
- Precipitation Hardening / Ageing
- Magnetic Annealing (Bright)
- Stress Relieving / Normalising / Annealing
- Hydrogen-gas cleaning / Degassing
- Baking / Sintering / Stabilization
- High/Low-temperature Brazing – Braze/Braze + Harden/Anneal (Aluminium, Copper, etc.)
- Carburizing (LPC)
- Recrystallization
- Customized heat treatment + R&D
- Carburize / Carbo-nitride / Carbon restoration
- Stress Relieving / Normalising / Annealing / Homogenising
- Austempering / Marquenching / Polymer / Oil / Salt Quenching
- Solution Treatment & Ageing
- Plasma nitride / Nitro-carburize + oxidation
- Gas nitride / Nitro-carburize + oxidation
- Vacuum/Gas carburizing with "PreNit"
- Cryogenic (Subzero) treatment / Stabilization
- Vibration Stress Relief
- Thermal jointing (Shrink-fitting)
- Induction / Flame Hardening / Soldering
- Automated degreasing
- Sandblasting
- Laser Welding
- Heat treatment / Tooling improvement consultancy + R & D
- Metallurgical laboratory services
- Sourcing / Sales of specialty materials
- Sourcing / Sales of Heat treatment equipment & supplies

Get in touch



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