

Heat Treating Services

TEAM[®]



Revolutionizing Heat Treatment Procedures

with the Latest in Thermal Processing Technology

Heat treating is the controlled heating and cooling of metals to alter their physical and mechanical properties without changing the product shape. It is often associated with increasing the strength of material, but it can also be used to alter certain manufacturability objectives such as improving machining and formability, or restoring after a cold working operation.

HEAT TREATING SERVICES

- + Electrical Resistance
- + Combustion
- + Induction
- + Wireless Heat Treating
- + Welding Preheat
- + Post-weld Heat Treatment
- + Line Thawing and Melt-out
- + Hydrogen Removal
- + Heat Treatment
(Annealing and Normalizing)
- + Decontamination
- + Refractory Dry Out
- + Turbine Rotor De-Stacks
- + Retaining Ring Removal
- + Heating of Rotating Parts
- + Turbine Bolt Heating
- + Phenolic Cures
- + Coating Cures
- + Permanent and Temporary Furnaces
- + Warming Systems
- + OEM Equipment Manufacturing
- + Calibration & Service
- + Equipment Sales & Rental

TEAM Industrial Services, Inc. provides complete heat-treating services for industries worldwide. We are the largest field heat-treating company in the world. We combine the expertise of our professional, highly experienced heat-treating personnel with unequaled service and state-of-the-art equipment to deliver exactly the right solutions for your field heat-treating applications and budget. Our capabilities provide assurance to our customers that we can address virtually every possible heat treatment process regardless of temperature and /or application.

In-House Engineering to Support All Aspects of Your Job

With the only full-time, in-house engineering support group in the industry, TEAM ensures your job is completed professionally, up to code, fully documented and in the shortest time possible. Our engineers analyze structural integrity and heat transfer to develop the most appropriate and cost effective thermal processes. They are also available throughout a project to support internal engineering groups. As an added value, we also design and manufacture custom equipment, including temporary, on-site furnaces that can treat an entire process assembly.

Method Specific, Multi-level Trained Technicians Provide the Highest Level of Service

At TEAM we employ only the best, most qualified technicians to ensure each and every job is completed to the highest standards every time. All of our heat-treating technicians are put through a rigorous and method specific, multi-level certification training process that is comprised of both classroom and hands-on training. In addition to our training and engineering teams, our technicians are supported by a team of highly-experienced directors, managers, manufacturing, safety, sales and support staffs, bringing decades of experience to every project.

TEAM is a NUPIC-approved 10 CFR 50 Appendix B supplier and a member of the Nuclear Industries Assessment Committee (NIAC).

State-of-the-art Wireless Technology Reduces Cost and Risk:

TEAM's long history of building the most powerful, precise and durable heat-treating equipment in the world continues with the development of our advanced SmartHeat®, XTX and XTR Wireless Heat-Treating System with benefits that include:

- + Reduced manpower requirements
- + Reliable record keeping
- + More accurate temperature controls

Our wireless heat treatment consoles are capable of running multiple machines at one time from a safe location located within or outside the operating facility. Only one operator is needed to control and monitor multiple heat cycles from the complex controllers with inputs for thermocouples and heater current. Multiple units can be managed using any TeamScada™ Software-equipped computer.

From this wireless system we can not only monitor the heat treatment process safely, but also deliver clear, concise documentation for customers while guaranteeing chart accuracy. Customers and TEAM support personnel can view real-time data from laptops, desktop computers and mobile devices on the same network.

Safety and Quality Drive Us

HSE&S and quality are the core driving forces behind everything we do at TEAM. We maintain management systems designed to assure compliance with all applicable laws, regulations and internal requirements, as well as to facilitate the continuous improvement of our processes, products, and personnel. TEAM is a NUPIC-approved 10 CFR 50 Appendix B supplier and a member of the Nuclear Industries Assessment Committee (NIAC). We routinely complete jobs to the exacting nuclear industry standards of quality and safety.

Advantages of TEAM's Heat Treating Services

- + Provides access to the latest in thermal processing technology backed by in-house engineering and technical support
- + Analyzes structural integrity and heat transfer to develop the most appropriate and cost-effective thermal processes
- + Ensures your job is completed professionally, up to code, fully documented and completed in the shortest possible time, based upon planning conducted by our in-house engineers
- + Features state-of-the-art burners for heating — 100°F over ambient to 2,600°F
- + Manages the heat-treating flow and temperature requirements onto your hardware and equipment with pinpoint precision
- + Utilizes NIST-traceable recorders and thermocouples
- + Provides custom equipment design and manufacturing
- + Ensures quality, safety and productivity in your critical components, equipment and processes

**TEAM experts are available 24 hours a day,
7 days a week, 365 days a year.**

Find your local contact at TeamInc.com.



Why TEAM?

- + Single supplier, single point of contact worldwide
- + Company-wide commitment to safety
- + Trained and certified technicians
- + Complete range heat treating services
- + Engineering, manufacturing and technical support
- + World class quality processes and systems



www.TeamInc.com