

# TEAM<sup>®</sup> Industrial Services

## INDUCTION HEATING

Closed Loop Induction Units Available From 25 kw to 100 kw

### Turbine Rotor De-Stacks

Quickly and safely heat rotor hubs to remove disks from shaft. No need to use gas rings or electrical resistance heaters.

### Retaining Ring Removal

Removal of generator retaining rings and other shrink fit components.

### Heating of Rotating Parts

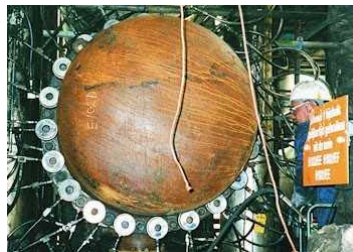
Pre-Heating and PWHT of rotating components, such as turbine shafts, can be heated inside an Induction coil and monitored with wireless thermocouples.

### Turbine Bolt Heating

De-tensioning and tensioning of turbine bolts. Typical heating time is two to eight minutes per bolt, resulting in significant time saving for client.

### High Temperature Heating

Annealing, solution, and narrow band heat treatment of weldments is performed in a safe and efficient manner. Induction heating negates the need to remove hot electrical resistance heaters from the work piece at high temperatures.



### Line Thaws

Induction cables up to 240 feet in length can be used for line thaws. No need to remove insulation from the line as the coil is placed over the insulation. This reduces set up time and provides a substantial cost saving.

### Exchanger Bundle Pulls

Quick and easy set up assists with the expansion of the exchanger body to allow the bundle to be pulled from the exchanger.

### Nut Heating

Fast heating of nuts on Hydro-Cracker flanges, Reactors, and Exchanger heads allow for quick dismantling of components. Typical heating time is 30 seconds to two minutes per nut. This application helps to eliminate bolt thread damage.

### Custom Applications

There are many other applications where Induction heating can be used when electrical resistance is too slow or impractical.

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