

whate is induction tempering or induction preheating

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications
<http://www.uihm.com>

Induction Tempering are widespread use in the automotive and automotive-supply industries. In fact, induction tempering can be performed on all hardened components—bars, joints, shafts, etc.

Induction Tempering a component only takes around ten seconds, unlike in a furnace where it can take a couple of hours. The reason is that induction generates heat directly in the material— exactly where you need it.

This means Induction tempering can be directly integrated into your production line to improve throughput, increase flexibility and save floor space.

UIHM Induction is also present in a various of industries for preheating—primarily the automotive, cable and wire, electrotechnical, and tube and pipe industries. In many cases, our induction preheating solutions are integrated into production lines.

Using induction rather than gas or a furnace for preheating has several advantages. Heat transfer is direct—minimizing heat loss and energy consumption while increasing the production rate and improving quality.

The heat can also be controlled precisely. This makes it possible to reduce the temperature when welding and then achieve a lower cooling rate. Less risk of cold cracking and excessive hardening are some of the benefits.

And you can forget heat-spreading flames. You get a better working environment, less need for cooling and a lower fire risk.

A vast amount of parts can be treated with induction tempering such as camshafts, crankshafts, drive shafts, torsion bars, couplings, rocker arms, rock drills, chains, suspension arms, clutches, brake discs, steering wheels, CV joints, tulips, shock absorbers, inner and outer races, control rods, valves and output shafts.

Fast, accurate and flexible, induction tempering replaces the huge wasteful furnaces

used for decades in heat treatment shops. Fatigue tests have confirmed the quality results delivered by our induction solutions.

Bolt expansion by induction preheating

induction preheating 17cm anode stubs

induction preheating bearing

induction preheating pipes





