

Induction Heating Applications Show 1

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 Heating is very popular for various of applications such as Annealing Bonding, Rubber/Metal Brazing, Cap Sealing, Carbide Tipping, Catheter Tipping, Crystal Pulling, Curing, Forging, Getter Firing, Hardening, Heat Treating, Hot Forming, Levitation, Material Testing, Melting, Metal-glass Sealing, Metal-plastic Staking, MOCVD, Pin Sealing, metal anneal, diathermanous shaping, high frequency quenching, metal high frequency jointing, medium smelting, high frequency soldering and brazing, heat smearing, heat plastic encapsulation, Induction Annealing, Bar end Induction heating, Induction Billet heating, Induction Bonding, Induction Brazing, Induction Curing of powder or aqueous coatings, Induction Forging, Induction Forming, Induction Getter Flashing, Graphite Susceptor Induction Heating, Induction Hardening, Induction Melting, Induction Normalizing, Induction Outgassing, Induction Preheating for Galvanizing, Induction Shrink Fitting, Induction Soldering, Induction Tempering, Pre-Owned Equipment etc :There are 2 important parameters of Induction Heating Machine: one is the output power, another is the output vibrated frequency.

The higher the frequency, the thinner the heating penetration. So it is important to select the frequency of the machine according to the heating desire to achieve best heating effect.

The output power decides the heating speed, so power is selected according to the weight of the parts and the heating temperature and the heating speed desired. :UIHM Induction Heating Machines have been used in huge area. They are very credible and Efficiency.

Applications: Annealing

Heating and slow cooling of a material for reducing hardness and brittleness. Typically, the material has been hardened either through working or shaping rather than from an induction hardening process.

Billet Heating

Typically heating of solid bars of steel for pressing, hammering, or working into a shape to be machined into a final component.

Bonding

An attachment process that typically joins two metals together using a thermo set adhesive. A common use for bonding is the adhesion of body panels to reinforcement structures in automobiles.

Brazing

Joining of two or more items using a melted high temperature soldering material. The objects to be joined together and the braze material are both heated using high frequency induction.

Coating

Heating of a component prior to applying a covering material that requires heat for melting, fusing, and adhesion to the component. A typical use for coating is the application of epoxy to the surface of rebar used in buildings and roadways.

Curing

A drying process of a component that has had an applied paint or coating.

Expansion For Shrink Fit

Heating of a component to promote expansion. Typically the expanded object is placed on a second component. When the heated component cools it shrinks back to the original size providing a "shrink fit".

Forging

Heating of a material to change the shape. A typical application is tube heating to form a raw forging for machining to a final component.

Semi Solid Forming

Forming a component from a material that is not yet melted, but is soft enough to be formed into a new shape with a press and precision die.

Stress Relief

Heating and slow cooling of a component to relieve stress that has occurred in a previous process such as welding or forming.

Surface Harden

Heating for the purpose of achieving full hardness of metal in a shallow depth along the surface of the processed area. The hardened surface provides the basis for a wear surface while leaving the body of the component soft.

Tempering

Heating and slow cooling of a material for reducing hardness and brittleness. Typically, the material has been intentionally hardened either by an induction or furnace heating process.

Through Harden

Heating a component or zone on a component completely through the cross section of the material rather than hardening only a surface area.

skin-deep smithing

shears quenching

hardware anneal

muzzle face quenching

steel tube welding

horniness metal welding

edge plane welding

mould heat treatment

bolt head heat treatment

bolt heat treatment

sawtooth heating treatment

bottle welding & quenching

wheel secant welding

canal heating

tool heat treatment

macromolecule leaching molding

golf head heating

multiple pan welding

knife heat treatment

knife weld treatment

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