

advantages of induction heating

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 a quick, safe, clean, environmentally friendly method for melting works.

induction heating is able to heat different shapes of work-piece by customized induction coils

Induction heating systems do not burn traditional fossil fuels, induction heating is a clean, non-polluting process which will help protect the environment.

This uniquely energy-efficient process converts up to 95% of the energy expended energy into useful heat;

batch furnaces are generally only 45% energy-efficient. And since induction requires no warm-up or cool-down cycle, stand-by heat losses are reduced to a bare minimum.

With induction, the part to be heated never comes into direct contact with a flame or other heating element,

the heat is induced within the part itself by alternating electrical current.

Induction heating rapidly delivers site-specific heat to very small areas of your part, without heating any surrounding parts, this extends the life of the fixture and mechanical setup.

Induction heating eliminates the inconsistencies and quality issues associated with open flame, torch heating and other methods.

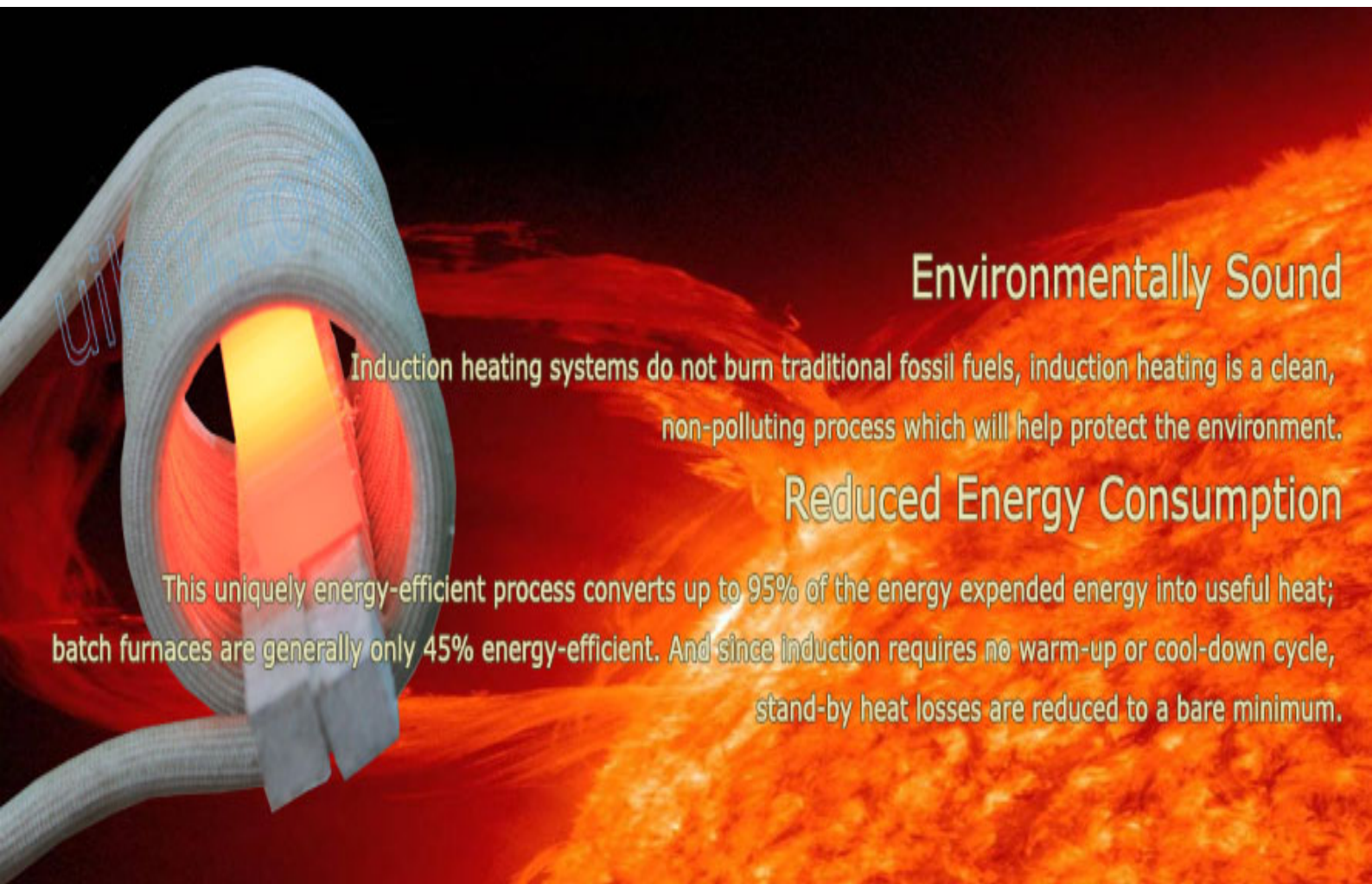
Induction works so quickly, heat is developed directly and instantly (>1000. in < 1 second) inside the part.



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environmentally friendly method for melting works

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Environmentally Sound

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Reduced Energy Consumption

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A glowing white induction coil is shown against a starry space background. The coil is made of a thick, braided material and is illuminated from within, creating a bright orange and yellow glow. The background is a deep black space filled with numerous stars and a faint, glowing nebula or galaxy structure. The coil is positioned on the right side of the frame, with its ends extending towards the top and bottom edges.

Improved Product Quality

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Extended Fixture Life

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Optimized Consistency

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Maximized Productivity

Induction works so quickly, heat is developed directly and instantly (>1000°C. in < 1 second) inside the part.