

custom-build long induction coil for induction annealing steel gap

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>

Objective: induction annealing steel gap

Material : Steel

Temperature 380 C

Frequency 70 kHz

Equipment UM-15AB-HF, induction heating system, equipped with a remote workhead containing two

An induction heating coil designed and developed specifically for this application.

Results/Benefits Induction heating provides:

- . Quick, reliable, repeatable heat

Induction Annealing is a heat treatment in which material is exposed to an elevated temperature and slowly cooled.

Induction Annealing of the material changes physical properties of the material such as strength and hardness.

Features:

Improved power factor

Tropicalised design

Compact size

Highly adaptable for automation

Eco-friendly due to noiseless and flameless operation

No statutory approvals required

Lesser risk involved compared to conventional methods

Application Specific

Uniform annealing with better quality end product

Lesser Annealing cost comparing to conventional methods

Faster Annealing cycle

Higher productivity

Highest system efficiency

Auto or manual mode operation

Induction annealing has many benefits. The heat is generated directly in the material, leading to high efficiency and low energy costs. It is also a fast and controllable process, which will improve your throughput. And the heat is very accurate—crucial to meet today's stringent quality standards.

Applications:

Annealing of Milk Cans, Oxygen cylinder for neck formation.

Shell Annealing.

Annealing of wires.

Continuous Annealing of copper wires.

Stainless Steel / Aluminum Utensils

All Cold Formed Steel Components.

Stress Relieving.

Post weld Annealing.

Annealing of Copper tubes.

Annealing of knife, blade ends.

Annealing of brazing wires & Rods.

UIHM Induction offers seam annealing of tube welds and full body annealing of both

magnetic and non-magnetic tube products. We also provide integrated induction annealing solutions for steel strip and wire production.

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