

Induction Brazing Brass Trap Block

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 Block is heated to 1400°F to braze trap tube to assembly

Material brass block and pre-formed tubes

braze pre-forms

Temperature 1400 °F (760°C)

Frequency 357 kHz

Equipment Power of 20kW induction heating system including

- Coil: custom-designed 2-turn split-helical
- Workhead: contains two 1.0μF capacitors (0.5 μF total)

Process The brass parts, braze pre-form and flux are assembled and located within the custom-designed coil. Induction heating of the joint is accomplished in 45 seconds.

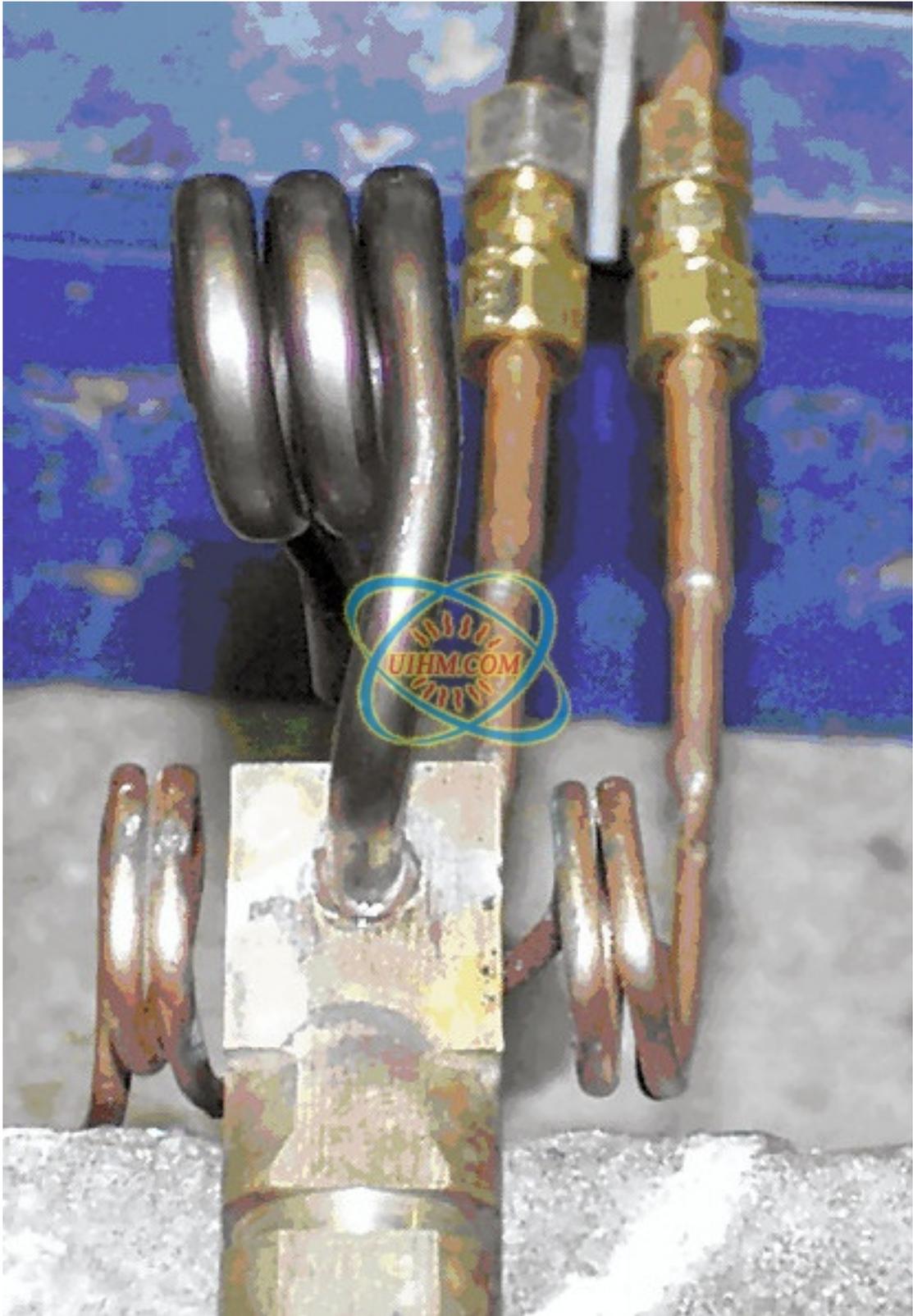
Results/Benefits Economy: induction heats only the material within the coil; no energy is wasted heating the surrounding materials and air; no flame or gasses required for heating

Control: process lends itself to the use of braze pre-forms;

process easily adapted to automation

Efficiency: energy is expended only during the joint formation.

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