

Induction Heating motor

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>

Heating motor Objective Heat steel to help bond an injection molded piece and help the reflow.

Material Steel motor body, 60 x 60 x 27 (2.4 x 2.4 x 1.1) mm(in)

Temperature 260°C (500°F)

Frequency 237 kHz

Equipment • Power of 20kW induction heating system, equipped with a remote workhead containing a total 1.5 μ F.

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

Process/Narrative A two-turn binocular coil is used to simultaneously heat two steel motors prior to the injection molding process. This helps increase the bond strength between and reflow the plastic.

Results/Benefits Induction heating provides:

- Quicker process times with increased production rates versus a gas-fired oven.

Ovens require long heat-up and cool-down times.

- Significantly reduced footprint

- Reduced handling due to location of the induction coil in proximity to the injection molding machine.

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