

Induction Heat aluminum molds

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
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Heat aluminum molds Objective · Heat aluminum cake molds to release baked food products

Material · Aluminum molds 4.5" (11.4 cm) diameter

Temperature 302 °F (150 °C)

Frequency 65 kHz

Equipment Power of 70kW, induction heating system, equipped with a remote heat station containing eight 1.0 mF capacitors for a total of 8.0 mF

An induction heating coil designed and developed specifically for this application

Process A multi-turn, square pancake coil provides very efficient heating which reduces the cycle time and the conducted heat through the aluminum molds. This coil can be encapsulated in a Teflon/epoxy composite to make it easy to wipe clean. Frozen, pre-baked products are in the cake molds. The molds are heated as they travel under the induction heating coil to release the product.

Results/Benefits · Induction heating is safer than heating with a convection oven.

Grease from the molds causes a fire hazard and waste gases in the oven.

· Quick, clean precision heat for fast cycle times



service@uihm.com

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