

Research the heating effects

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>

Research the heating effects Objective Heating stainless steel disc & tantalum disc to 1400°F (760°C)

Material Stainless steel and tantalum discs approx 1/2" (12.7mm) diameter. End product is radioactivity counting plate

Temperature 1400 °F (760°C)

Frequency 350 kHz

Equipment • Power of 3kW induction heating system, equipped with a remote workhead containing one 0.66µF capacitor

- An induction heating coil designed and developed specifically for this application. Process A three turn helical coil is used to heat the discs to 1400 °F (760°C). The stainless steel disc reaches temperature in 3.5 seconds, the tantalum disc reaches temperature in 1.7 seconds. The heat up time can also be varied by changing the distance between the coil and the part to suit the application fixturing design.

Results/Benefits Induction heating provides:

- Hands-free heating that involves no operator skill for manufacturing
 - Precise even heat without out the use of flame or oven
- Research the heating effects

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