

Induction Brazing Cutting Tool

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 To braze cone and shaft for a cutting tool

Material Customer supplied parts

Temperature indicating paint

Braze preforms

Temperature 1300 – 1400 °F (704 – 760 °C)

Frequency 235 kHz

Equipment Power of 6 kW, 150-400 kHz induction heating system, including remote heat station using two 0.66 µF capacitors (total 1.32 µF) A two-position, two-turn induction heating coil designed and developed specifically for this application.

Process Two sets of parts are placed in the individual coils. Braze preforms are placed on the cone at the joint. The assembled part is placed inside the induction heating coil and heated until the braze melts.

Results/Benefits o efficient coil design enables simultaneous heating of two parts on the single 2kW system dual braze is accomplished within required process time, increasing process throughput.

brazing-cutting-tool

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