

# Induction Soldering copper

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>

**Soldering copper** Objective Heat copper tab until the solder reflows.

**Material** Copper tab 0.25 X 0.25 inch square about 0.05 inches thick.

**Lead free solder material** (higher melting temperature than regular solder.)

**Temperature** 500 °F for 1.25 seconds

**Frequency** 286 kHz

**Equipment** Power of 6kW, 150-400 kHz solid state induction heating system equipped with a remote heat station containing one 1.2 μF capacitor and a specially-designed work coil..

A multi-turn helical coil about 3/16 inch internal diameter made out of 1/16 inch diameter tubing.

Process Solder wire is fed onto speaker tab area using an automatic wire feeder. It is then heated to re-flow the solder.

**Results/Benefits** With an efficient coil design induction heating easily reaches the desired reflow temperature in a very short amount of time. soldering copper



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