

# Induction Bonding Steel Clips

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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**Objective** To heat metal clips and press-bond them into rubber seals. The metal needs to be heated to 250°F to 350°F with a cycle time not exceeding 3 seconds

**Material** Steel clips and rubber sealer blocks

**Temperature** 250°F to 350°F

**Frequency** 373 kHz

**Equipment** Power of 6kW power supply including one remote heat station with one 1.2 μF capacitor using a specially designed 3-turn pancake coil

**Process** As illustrated below

**Results** Heating time of 1.5 seconds was attained; shorter heating times are possible due to fast response of the power supply. Bond formation is acceptable due to the even heat pattern produced through induction heating.

