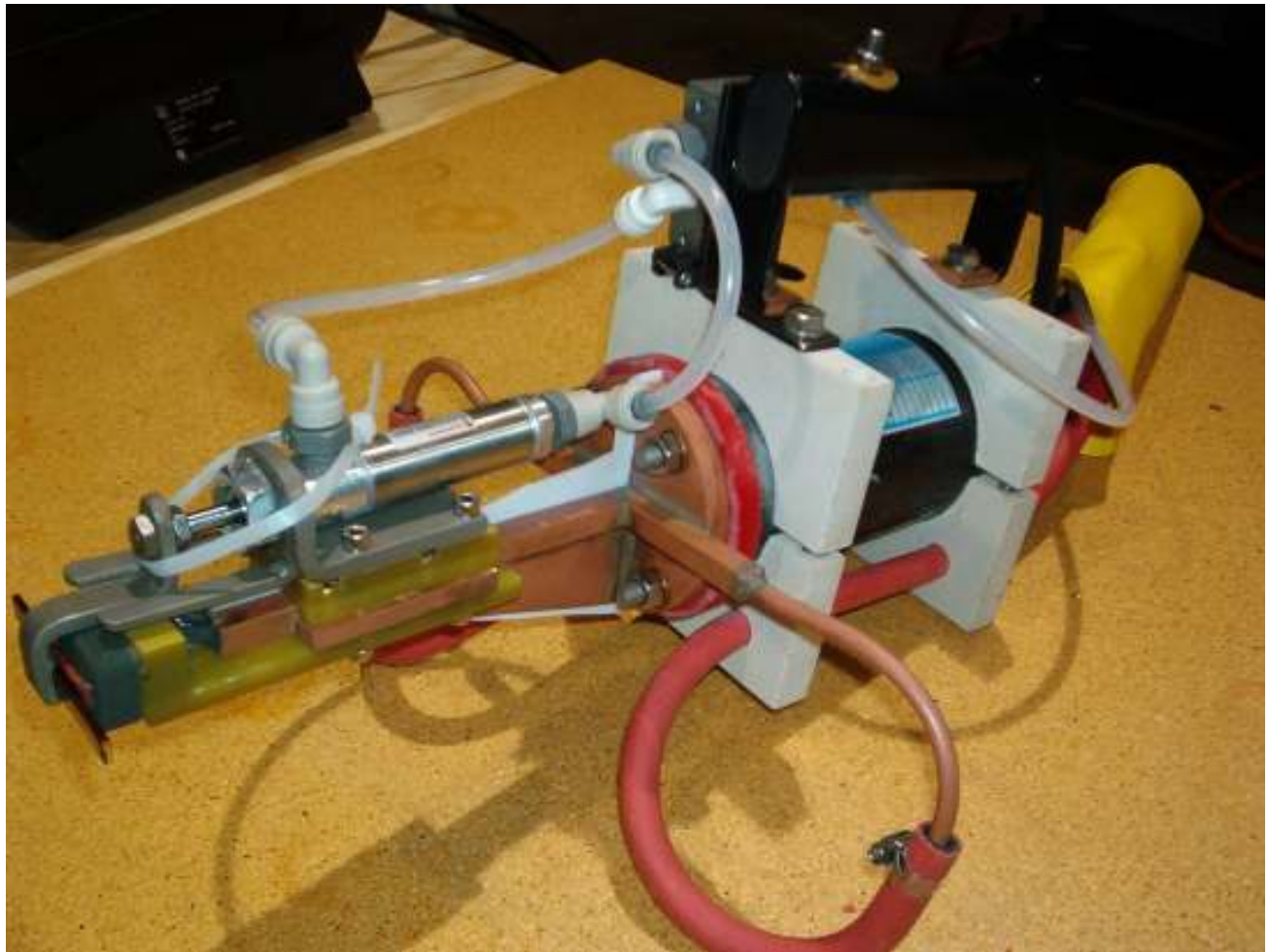


FAST INDUCTION BRAZING OF TRACTION MOTOR WINDINGS

Portable Hand Held Induction Heating Equipment Means Brazed Joints Can Be Made In Seconds Not Minutes !



Rugged hand held transformer and inductor assembly allows the operator to easily take the heat to the brazing area with little effort. A built in pneumatic clamp assembly allows the operator to automatically clamp the motor windings ends together and then apply heat for the induction brazing operation. Normal heat times range from 6 to 8 seconds. Twelve feet of water cooled cable is supplied for greater operator mobility.

For more information contact:



Electroheat Technologies, LLC
3578 Van Dyke Rd
Almont, Michigan 48003
Tel: 810-798-2400
Fax: 810-798-2402



Above is our standard hand held system showing from left to right, 5/10kW 10-50kHz power supply, transformer & inductor assembly and remote control panel. Shown to the right is a closed loop water to air water recirculating system for cooling the transformer and inductor.

The power supply is air-cooled and operates from either 230 or 460 volt, 50/60 Hz (3) - phase line. Current requirements are 22 and 44 amps respectively.

Control panel allows for selection of manual or automatic heating cycles. Display panel indicates operating output voltage, current, power and frequency. Process parameters are controlled manually or through parameter pre-selection using the programming features.

In most cases the inductor can be fabricated from copper tubing by the end user with simple hand tools. Fabricated inductors can be mounted to the hand held transformer by use of a quick change hand tightened clamp assembly.



Water recirculating system for cooling hand held induction heating equipment utilizes a low maintenance water to air heat exchanger.

