

ELECTROHEAT INDUCTION

INDUCTION HEATING AND HARDENING EQUIPMENT

- IGBT Based Induction Heating & Hardening equipment.
- Fully automatic PLC based control system.
- Uniform heating characteristics
- Customized equipment for all purposes.

Output Power rating: 10 kW to 3000 kW.

Job Capacity:

From small job to 2 Tons.

Induction Heating Applications:

- Billet/Inline Heating
- Forging/ End Heating
- Tempering /Annealing
- Stress Relieving/Shrink Fitting
- Brazing/ Banding/ Welding
- Case/ Selective Hardening

Induction Heating Equipment Features

- Advanced IGBT Technology.
- Revolutionary Self-Tuning Peak Power Control circuit.
- Automated data logging, report generation & programmable heating cycle.
- Programmable Logical Controller (PLC) and color HMI gives better operator interface.
- Robust design to safely operate at fluctuating input supply.
- Power factor above 0.96 at any conditions.
- Wide frequency band for multiple heating applications.
- Highly safe and isolated design.
- Power Supply easy to synchronize with material handling system.
- Continues technical support.
- Exception figures of power consumption & production rate.
- Up to 99 programming recipe (i.e. KW, Time, etc) for different Auto Sintering Cycles.
- Detailed display Graphics and report Generation.
- Perfect combination of load matching characteristics suit
- Wide range of heating applications.



INDUCTION HEATING AND HARDENING EQUIPMENT



Induction Hardening application

- Selective hardening, Surface hardening, Case hardening for industrial parts, Machine-tools, automotive parts.
- Customized scanning system
- Easy load Matching for wide range of Industrial Parts.

Shaft Hardening

- Customized scanning system, Scan up to 3 Meters of shaft
- Easy operating & Job Moving Mechanism
- Fast Quenching process & uniform hardening

Bar and Billets heating for forging application

- Bars and Billets heating, industrial parts forging.
- Uniform heating and Perfect temperature control
- Immediate start up and reduced scaling.

Heating Application

- Precise heating, high production rates
- Accurate temperature control, no-start up delay.

Other Applications

- Tempering, stress relieving, annealing.
- Pipe heating, Shrink fitting, Brazing and welding custom applications.



ELECTROHEAT INDUCTION.INC

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