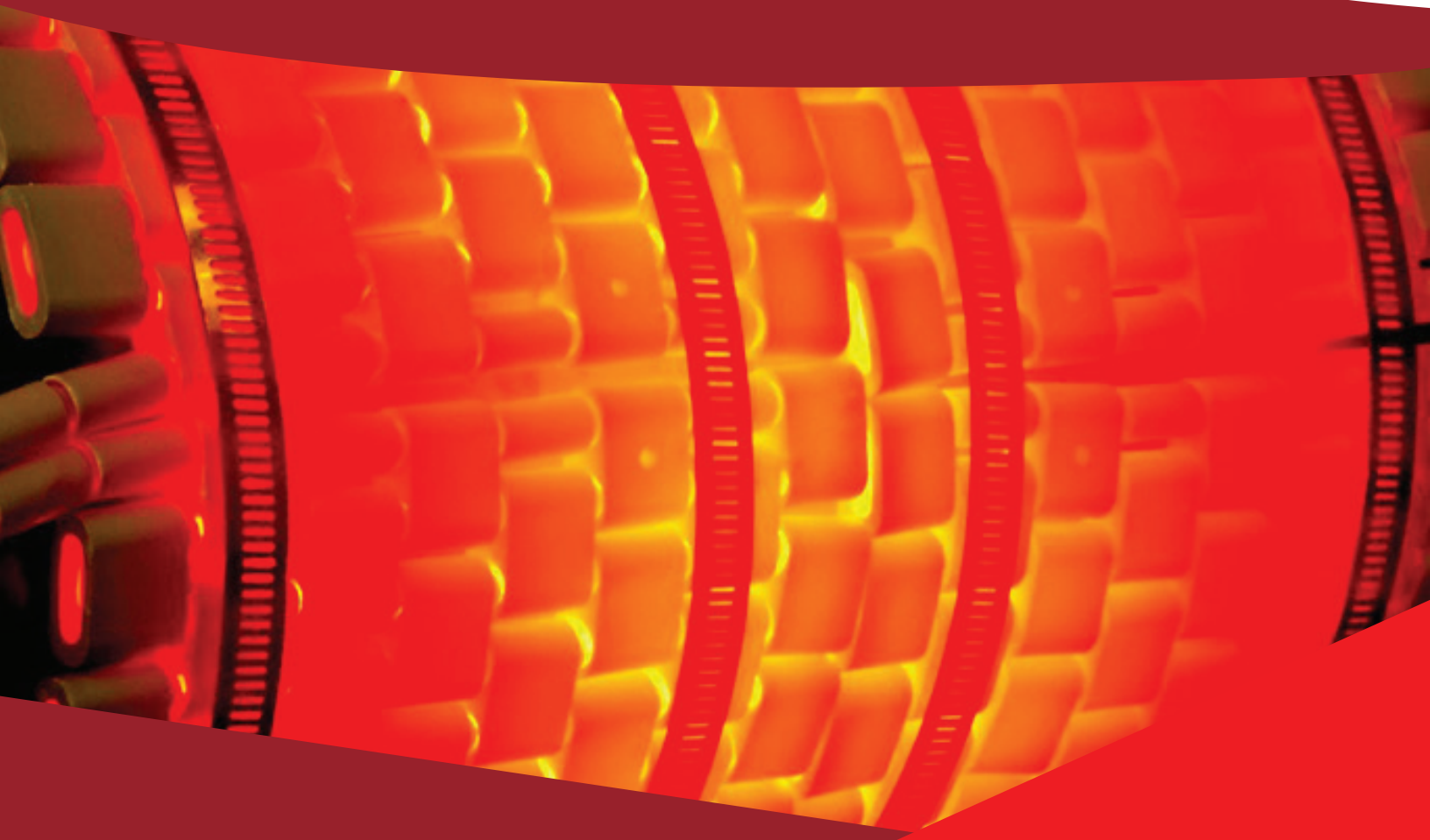
Ezix
Making Things Simple

PRODUCT CATALOUGUE
2024



INDUCTION HEATING SYSTEMS

www.ezix.in/products

INTRODUCTION

Induction heating is a form of non-contact heating for conductive materials, when alternating current flows in the induced coil, varying electromagnetic field is set aing current(induced, current, eddy current) is generated in the workpiece (conductive material), heat is produced as the eddy current flows against the resitivity of the material.

Induction heating is a rapid, clean, non-polluting heating form which can be used to heat metals or change the conductive material's properties. The coil itself does not get hot and the heating effect is under controlled. The solid state transistor technology has made induction heating much easier,cost-effective heating for applications including soldering and induction brazing, induction heat treating, induction melting, induction forging etc.

Unlike some combustion methods, induction heating is precisely controllable regardless of batch size. Varying the current, voltage, and frequency through an induction coil results in fine-tuned engineered heating, perfect for precise applications like case hardening, hardening and tempering, annealing and other forms of heat treating. A high level of precision is essential for critical applications like automotive, aerospace, fiber-optics, ammunition bonding, wire hardening and tempering of spring wire. Induction heating is well suited for specialty metal applications involving titanium, precious metals, and advanced composites. The precise heating control available with induction is unmatched. Further, using the same heating fundamentals as vacuum crucible heating applications, induction heating can be carried under atmosphere for continuous applications. For example bright annealing of stainless steel tube and pipe.

APPLICATIONS

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PWHT

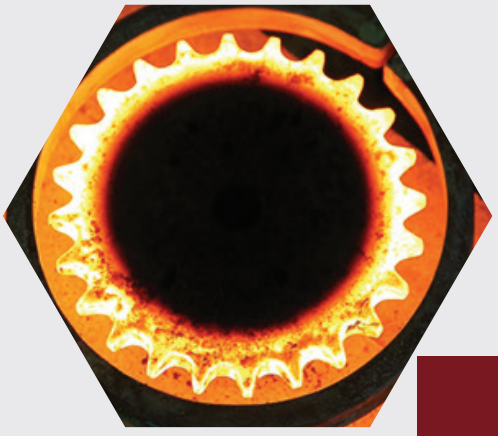
Other Heating Treatments

Annealing

Brazing

Forging

Melting



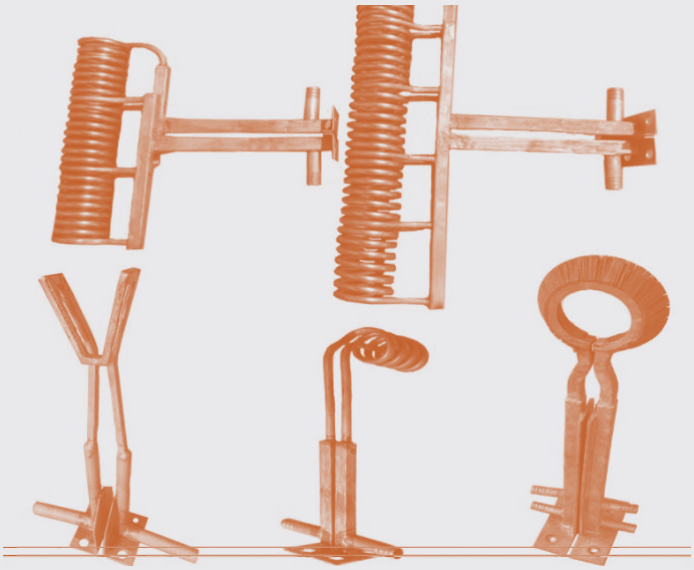
Hardening

Model	Voltage	Current	Power	Frequency	Water Flow	Weight
HF-25	380 V 3 Phase 50/60 Hz	1 ~ 40A	25 KW	10~60 KHz	>0.2 MPa, 2~6 L/Min	35 Kg
HF-35	380 V 3 Phase 50/60 Hz	1 ~ 60A	35 KW	10~60 KHz	>0.2 MPa, 2~6 L/Min	60 Kg
HF-45	380 V 3 Phase 50/60 Hz	1~80A	45 KW	10~60 KHz	>0.2 MPa,4 ~ 8 L/Min	80 Kg
HF-60	380 V 3 Phase 50/60 Hz	2~110A	60 KW	10~60 KHz	>0.2 MPa, 4 ~ 8 L/Min	120 Kg
HF-80	380 V 3 Phase 50/60 Hz	2~150A	80 KW	10~60 KHz	>0.2 MPa, 4 ~ 8 L/Min	180 Kg
HF-120	380 V 3 Phase 50/60 Hz	3~200A	120 KW	5~50 KHz	>0.2 MPa, 5~10 L/Min	240 Kg
HF-160	380 V 3 Phase 50/60 Hz	5~300A	160 KW	5~50 KHz	>0.2 MPa, 5~10 L/Min	300 Kg
HF-200	380 V 3 Phase 50/60 Hz	5~380A	200 KW	5~40 KHz	>0.2 MPa, 8~16 L/Min	340 Kg
HF-300	380 V 3 Phase 50/60 Hz	8 ~ 560A	300 KW	5~40 KHz	>0.2 MPa, 8~16 L/Min	380 Kg

Induction Heating System Include :

Induction Heating Power	Yes
Induction transformer	Yes
Induction power cord	Yes
transformer connection cable	Yes
Induction coil and spare part	Yes
Water cooling system (Optional	Optional

Different Type Induction Heating Coils



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