

INDUCTION HEATING

Induction heating machines use alternating current (AC) passed through a copper coil to generate a high-frequency electromagnetic field. This field induces eddy currents within conductive materials (workpieces), creating rapid, localized heat via the joule effect without direct contact. It is highly efficient, often converting 95% of energy into heat.

Galaxy inductions range of induction heating & billet heating for custom built applications with suitable coils, material handling solutions with complete automation and customized.

❖ SALIENT FEATURES

- ✓ Different Specific Heating Process
- ✓ PLC HMI Operated Rotary Motion And Linear Mechanism Process
- ✓ Spinning Job & Rolling Job Uniform Heating
- ✓ Pneumatic Mechanism For Handling Jobs
- ✓ Highest System Efficiency
- ✓ Easily Supported For Automation.
- ✓ Eco-friendly due to noiseless and flameless operation
- ✓ Lesser risk involved compared to conventional methods
- ✓ All Heating Application Specific
- ✓ Auto & manual mode operation
- ✓ Improved power factor
- ✓ Customized Design
- ✓ Compact & Portable Size



❖ HEATING APPLICATIONS

- ✓ Billet Heating For Forging
- ✓ Surface Hardening Of Tools & Gear
- ✓ Surface Hardening For Shaft & Dies
- ✓ Hardening Of Gear, Auto Parts, Bolts, Cylinder Bore & Crank Shaft
- ✓ Bar End Heating
- ✓ Bar Full Heating
- ✓ Shrink Fitting
- ✓ Tang Forging Of Files
- ✓ Tube Bending
- ✓ Electric Sub Station Parts Forging



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SOME OF THE APPLICATION RELATED COMPONENTS

❖ TECHNICAL SPECIFICATIONS

MODEL NO.	GIREG	GIDLX	GISUDLX	GIPSUDLX
POWER RANGE	05 – 15KW	15 – 40KW	40 – 150KW	150 – 500KW
FREQUENCY RANGE	01 – 100 KHZ	05 – 20 KHZ	05 – 80 KHZ	03 – 20 KHZ
<u>ADDITIONAL TO CHANGE</u> LOAD AND MATERIAL	YES	YES	YES	YES
<u>LOAD SENDED</u> SELF TUNNING	YES	YES	YES	YES
SIZE	L - 30"	L - 32"	L - 55"	L - 40"
	W - 21"	W - 22"	W - 30"	W - 40"
	H - 30"	H - 50"	H - 60"	H - 60"
INPUT POWER RANGE	SINGLE PHASE 230 V / 50 HZ.	THREE PHASE 440 V / 50 HZ.	THREE PHASE 440 V / 50 HZ.	THREE PHASE 440 V / 50 HZ.



