

INDUCTION BRAZING

Induction melting is a fast, precise, and repeatable non-contact joining process that uses alternating magnetic fields to generate localized, internal heat within conductive workpieces, causing a filler metal (above 427 degree C / 800 degree F) to melt and flow into the joint. It is ideal for high-volume, automated production due to its high efficiency, reduced oxidation, and ability to join dissimilar materials .

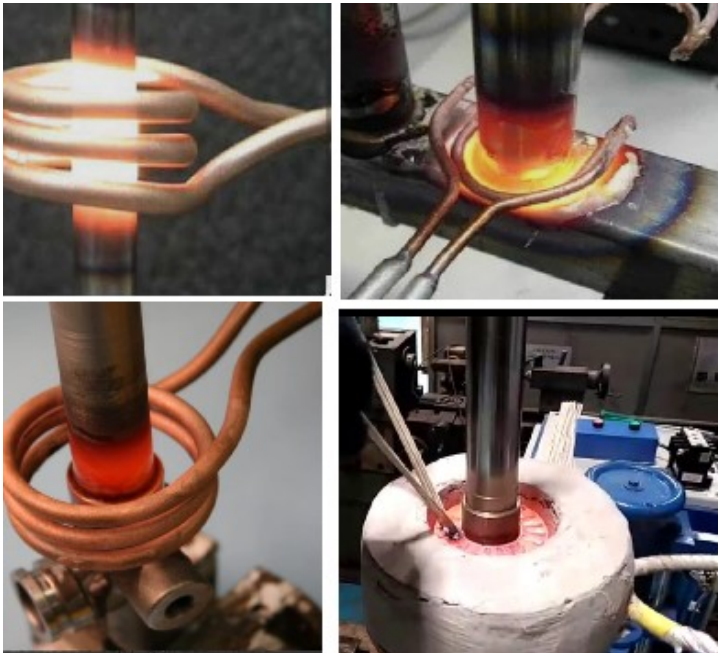
❖ SALIENT FEATURES

- ✓ Fast Heating
- ✓ Low Power Consumption
- ✓ Coil Can Be Changed Easily
- ✓ High Efficiency
- ✓ Non Polluting
- ✓ Can Work Non Stop For 24 Hours
- ✓ Spares And Services Available
- ✓ Also Available In Flexible Coil
- ✓ All Heating Application Specific
- ✓ Lesser Brazing Cost Compared To LPG Gas Methods
- ✓ Strong And Durability Joints
- ✓ Brazing Application Suitable For Lesser Cost & Low Main Power



❖ BRAZING APPLICATIONS

- ✓ Ring Cable Lugs
- ✓ Brazing Of Storage Water Heater Elements
- ✓ Diamond Tipps Cutting Tool
- ✓ Aluminium Component Joints
- ✓ Soldering Of Brass & Copper Components
- ✓ Copper Components Of Transformers
- ✓ Carbide Tipping Of Cutting Tools
- ✓ Segment Tools Brazing
- ✓ Steel Component Joints
- ✓ Copper Parts For Compressors
- ✓ Carbide Tipping Of Drill Bits
- ✓ Submersible Pump Rotors
- ✓ Brass Components For Compressor



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SOME OF THE APPLICATION RELATED COMPONENTS

❖ TECHNICAL SPECIFICATIONS

MODEL NO.	GIREG	GIDLX	GISUDLX	GIPSUDLX
POWER RANGE	05 – 15KW	15 – 25KW	25 – 40KW	40 – 150KW
FREQUENCY RANGE	05 – 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 SENSED</u> SELF TUNNING	YES	YES	YES	YES
<u>SIZE</u>	L - 30"	L - 32"	L - 55"	L - 40"
	W - 21"	W - 22"	W - 30"	W - 40"
	H - 30"	H - 50"	H - 60"	H - 60"
<u>INPUT POWER RANGE</u>	<u>SINGLE PHASE</u> 230 V / 50 HZ.	<u>TRREE PHASE</u> 440 V / 50 HZ.	<u>THREE PHASE</u> 440 V / 50 HZ.	<u>THREE PHASE</u> 440 V / 50 HZ.



