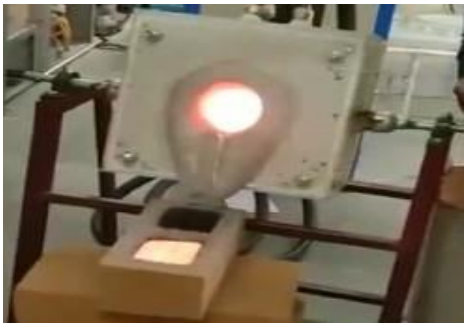
INDUCTION MELTING

Induction melting is a highly efficient, precise, and clean process that uses electromagnetic induction to generate heat directly within a metal charge, causing it to melt. By running alternating current through a water-cooled coil, it induces eddy currents in conductive materials (steel, iron, copper, aluminum). It enables rapid melting, excellent temperature control, and is widely used for high-grade alloys, reducing pollution.

❖ SALIENT FEATURES

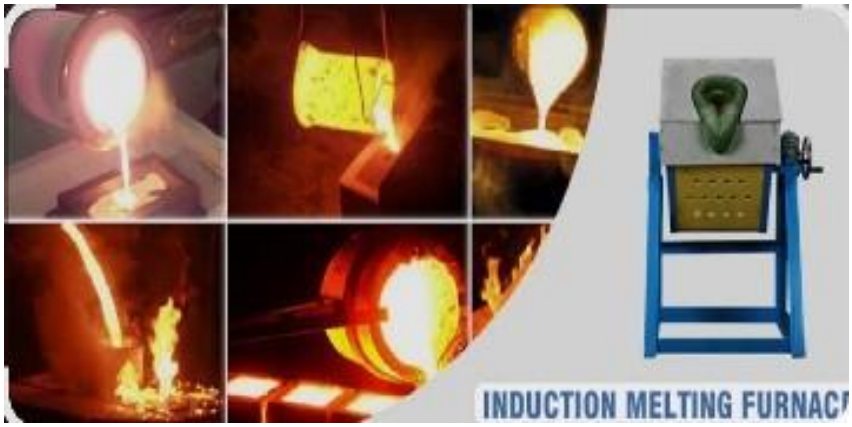
- ✓ Foundries & Metal Casting: Used
- ✓ Alloy Production & Smelting
- ✓ Precious Metal Processing: Widely
- ✓ Pneumatic Mechanism For Handling Jobs
- ✓ Recycling Operations
- ✓ High – Temperature Research & Vacuum Melting
- ✓ Efficiency: Rapid Melting (E.G., 2 Kg Of Gold In 2 Minutes).
- ✓ Environmental: Less Smoke
- ✓ Accuracy: Precise Temperature
- ✓ Customized Design
- ✓ Compact & Portable Size
- ✓ Auto & manual mode operation
- ✓ No Pre-Heating Required
- ✓ Cost Efficient & Energy Saving



❖ MELTING APPLICATIONS

- ✓ Copper & Brass Melting
- ✓ Gold Melting & Casting
- ✓ Silver Melting & Casting
- ✓ Vacuum Melting
- ✓ Steel & Cast Iron Melting
- ✓ Aluminum Melting
- ✓ All Ferrous & Non-Ferrous Melting Tr
- ✓ Metal Casting & Refining
- ✓ Electric Arc Furnaces (EAF)

INDUCTION MELTING



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
ADDITIONAL TO CHANGE LOAD AND MATERIAL	YES	YES	YES	YES
LOAD SESDED 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	TRREE PHASE	THREE PHASE	THREE PHASE
	230 V / 50 HZ.	440 V / 50 HZ.	440 V / 50 HZ.	440 V/ 50 HZ