

# ELECTROHEAT INDUCTION

## INDUCTION MELTING FURNACE'S

- Self - Tuning Peak Power tracking circuit gives highest production & lesser power consumption
- IGBT technology
- Customized induction melting furnace for all applications.

**Output Power rating: 10 kW to 5000 kW**

**| Melting capacity: 10 kg to 10 ton**

### Induction Melting Furnace

#### Capabilities:

- Suitable for Melting Copper, Cast Iron, Aluminum, Steel, Brass, Bronze, Silicon, Gold, Silver.
- Foundry, Castings.
- Small and large Capacity Ingots.
- Laboratory Testing.
- Melting Silver and Gold precipitate (Concentrate for mining industry)

#### Induction Melting Furnace Features

- Efficient IGBT based Induction Furnace.
- Programmable Logic Control (PLC) and Color Touch Screen Power Supply.
- Graphical Display of Electrical power supply.
- Long refractory and crucible life.
- Importing production data directly to computer.
- Powers factor above 0.96 all conditions.
- Hydraulic operated tilting furnace.
- Self-diagnosing power source.
- Exception figures of power consumption and melting rates.
- Dedicated Technical support.
- Data logging facility provided to monitor furnace power.



- Online interlock and tripping navigation facilities with description and photographs for easy diagnostic of fault.
- UP to 10 years of Storage facility of data like kWh consumed, Daily Heat Report, daily/ shift wise production report, tripping log etc.



# INDUCTION MELTING FURNACE'S



***Induction melting furnace***

## **Medium size Induction furnace:**

*50 kW to 500 kW / 35 kg to 750 kg*

- Aluminum casted furnace body.
- Bushing type hinge Box instead of Bearing type.
- Hydraulic operated tilting mechanism.
- Copper bus-bar up to 200kw furnace.
- One and two melting pot (furnace).
- Suitable for ferrous and non-ferrous metals including precious metals.
- Built-in MF capacitors.

## **LABORATORY / TESTING FURNACE:**

*15 kW to 50 kW / 10 to 35 kg*

- Single frame structure for Panel and Crucible assembly.
- Hand operated Geared Tilting arrangement.
- Wide range of settable parameters for different metal alloying.
- Single or Double crucible arrangement.
- Suitable for ferrous and non-ferrous metals including precious metals.



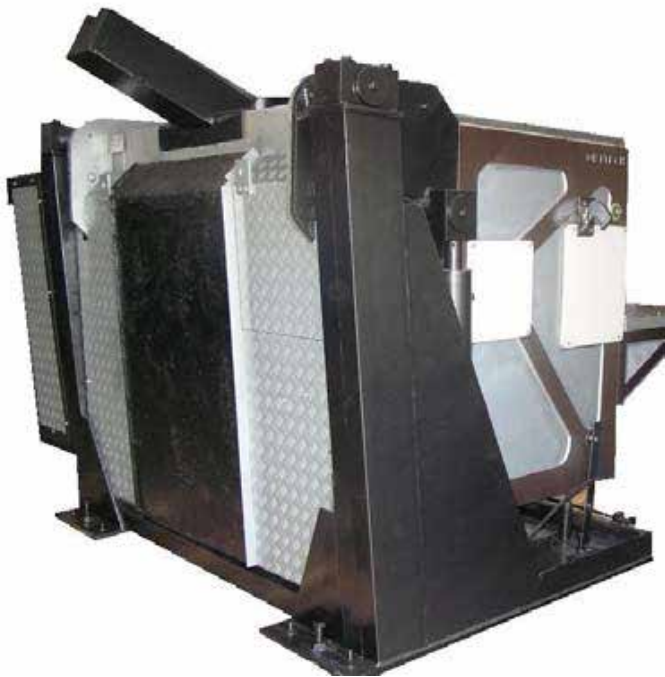
# INDUCTION MELTING FURNACE'S



***DM Water Circulation Unit***



***5T Induction melting furnace***



***2000 kg Aluminum Frame Melting Furnace***

## **Large Size Induction furnace.:**

*600 kW to 5000 kW / 750 kg to 3000 kg*

- Aluminum casted side frames / Steel Frame Structure.
- Rugged Bushing type hinge Box instead of Bearing type.
- Hydraulic operated tilting mechanism.
- One and two melting pot furnace.



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