

## ABOUT US

Anuj therm is a house of Reliable, Economic and Efficient Induction Melting , Heating and Hardening Equipments. The core design team associated is manned by eminent world renowned scientist and highly experienced professionals in the fields.

### PROVEN WORLD CLASS TECHNOLOGY

From manufacturing conventional 6 Pulse Induction Melting Furnaces to 12 Pulse & 24 Pulse high voltage Induction Melting Furnaces. State of art digital 'ASIC control Series Inverter Furnaces are feather in its Cap. Equipment designs are continuously upgraded to incorporate advanced features latest in the world, to give an edge to its customers by retaining competitiveness.

### QUALITY AND SAFETY

Induction Furnaces are designed and manufactured to meet the stringent quality standards. HI-REL Components are used in PCB's to stand high ambient temperatures and adverse operational conditions. PCB's are put to various electronic and environmental tests. High quality EC grade copper conductors are used at all the places.

Emphasis is given on electronic, electrical and mechanical safety systems. Highest quality workmanship and layout planning ensures smooth running and ease of maintenance. The high Speed Tripping Curcuit is unique design feature of Series Inverter Furnaces. The system detects fault condition in a few micro-seconds and trips the furnace. This prevents costly devices and other components from damage.

Highly efficient and simple de-mineralized and soft water cooling circuits protect the system from over temperature and low pressure.

### UNIQUE ADVANTAGE TO CUSTOMERS

The company manufactures both Series and Parallel inverter type Induction Furnaces, having distinct advantages for different applications. Technical guidance is given to customers to choose the right furnace for their specific application. This results in improving project profitability due to better productivity and efficiency.

Most manufactures offer only on type of technology and therefore deprive customer of the possible advantages of the other type of furnace.

### AFTER SALES SERVICES & SPARES :

The company has policy to provide technical guidance and training to its customers and insists upon stocking certain critical spares. Service tips are rendered to minimize down time. Mostly the plant is put back to operation by the customer staff without any loss to time in waiting for service Engineer.

Our strong team of senior Engineers provide after sales service in shortest possible time whenever required.

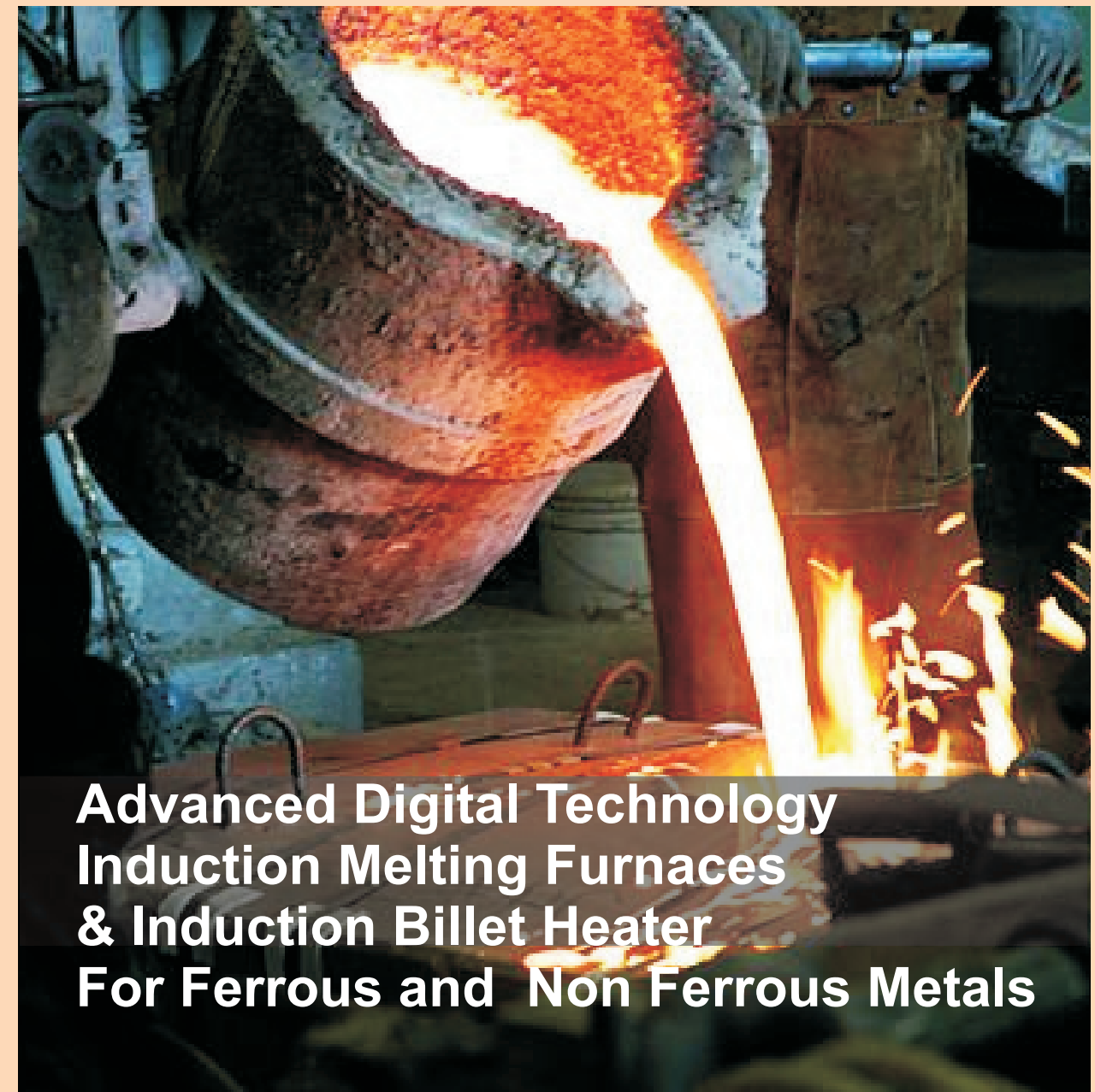
Spares are easily available at market price and these are not coded reducing maintenance cost.



## ANUJ THERM

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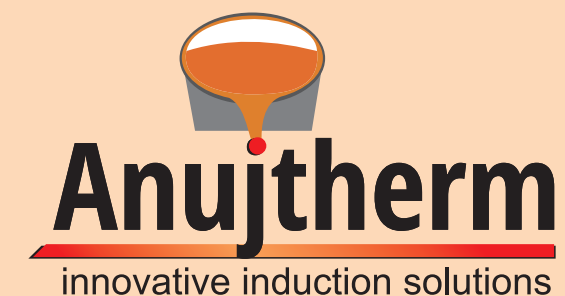
Induction Furnace | Induction Heater | Lining Vibrator | Spares



**Advanced Digital Technology  
Induction Melting Furnaces  
& Induction Billet Heater  
For Ferrous and Non Ferrous Metals**

## SERIES INVERTER CONTROL AND PARALLEL INVERTER CONTROL

*with the application based fright technology our customers become the market leaders*





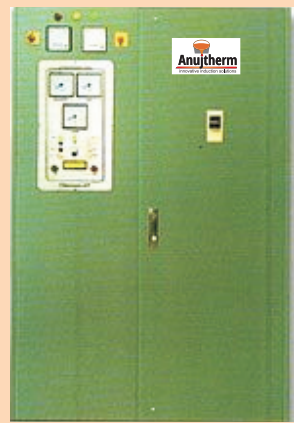
### SERIES INVERTER CONTROL PANEL

- Power Range : 25 KW to 750 KW
- Unique Software Control
- Single Chip ASIC Control Design
- Power Factor 0.98 at all power levels
- User Friendly, custom built operator interface for ease of operation
- Ultra fast linear response for better thyristor protection
- Suitable to small Foundries for Ferrous and Non Ferrous melting
- High Speed Trips Protection.
- Digital Function Monitor
- Bi-Logical (Dual Track) :
- For Simultaneous melting in two Crucibles by
- Power sharing resulting in increased productivity



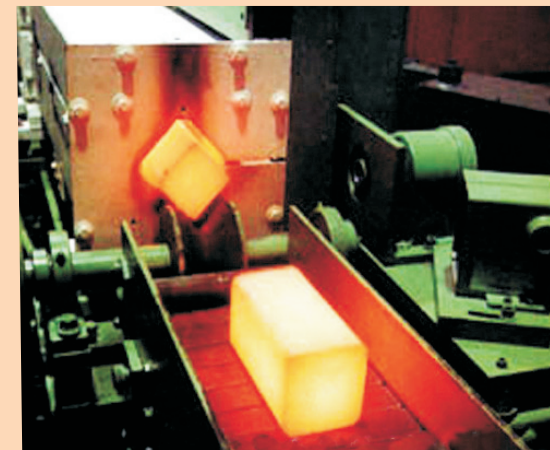
### FIXED TYPE CRUCIBLES

Melting Capacity (MS) 50 Kg to 500 Kg  
 Application : Sanitary fittings, Brass parts manufacturing units and various small foundries  
 Duraline Yokeless Structure for high efficiency  
 Low loss easy to maintain design  
 Low maintenance Epoxy insulated 'Z' shaped coil



### PARALLEL INVERTER CONTROL PANEL

- Power Range : 100 KW to 12000 KW
- 24 Pulse, 12 Pulse and 6 Pulse Rectifier design for different power levels.
- High productivity low power consumption.
- Low Harmonic distortion.
- Excellent layout for ease of maintenance
- State of art safety feature.
- High MF voltage design up to 4000 Volts.
- User Friendly controls.
- Excellent Full Lead Power Factor >0.96



### INDUCTION BILLET HEATER

- Highly reliable & advanced IGBT based technology for consistency and long life.
- Light weight and portable equipment.
- Easy to Learn and operate.
- High efficiency and energy saving
- No Pollution to environment
- Scale free operation
- Fully solid state
- Zero start up time
- Negligible maintenance

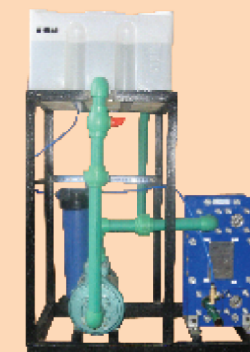


Induction Hardening



### DURALINE YOKELESS CRUCIBLES

- Melting Capacity (MS) 100 Kg to 10 MT
- Unique design for ease of maintenance
- Low power consumption features
- Suitable for Ferrous & Non Ferrous melting applications
- Smooth Hydraulic tilting
- Low maintenance Epoxy insulated "Z" shaped coil.
- Heavy duty special grade Aluminium Alloy side plates
- Highly efficient water cooling circuit.
- Side cover for protection of hydraulic cylinder
- Front Syndanio cover to protect crucible for metal splashes.



### DM WATER CIRCUIT SYSTEM

- Ready to connect
- Can be installed at flexible positions.
- Easy maintenance approach.
- Occupies less space.
- S.S. Plated type Heat Exchanger & S.S. Pump used.



### HYDRAULIC POWER PACK

- Rugged design
- Extra safety features
- Hand-lever for inching Operation
- Heavy duty flexible hose pipes and extra thick fittings.

### STEEL FRAME CRUCIBLES

- Melting Capacity (MS) - 8 MT to 30MT
- Ultra Low loss uniformly distributed flux guides
- Fast melt rate with rugged design
- Long Life Bottom
- Low maintenance 'Z' shaped Epoxy insulated Coil.
- Heavy duty smooth Hydraulic tilting system with inching operation.
- High operational safety features.



### Induction Melting Furnace for lab and sponge testing