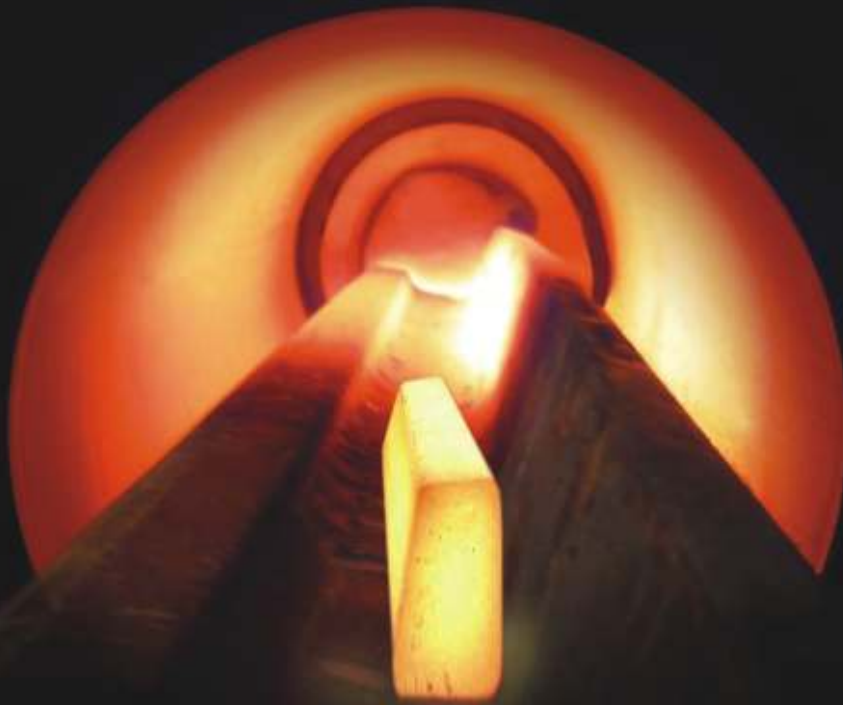


# BILLET HEATER

CUSTOMISED HEATING SOLUTIONS FOR  
SPECIFIC PRODUCT AND APPLICATION

OUR PRODUCT RANGE ALSO COMPRISES OF  
INDUCTION MELTING FURNACES



ALIDIA POWERTECH

## Billet Heater

The CFM, continuous feed, medium frequency billet heater is used for heating of ferromagnetic and austenitic quality steel billets to the forging temperature of 1200-1250°C. They are also used for heating of non ferrous metals like copper and its alloys like brass, bronze billets. The billets to be heated are cold sheared, broken or sawn. They are then fed to the heater by positive grip conveyor system or by pusher mechanics.

Conveying speed and heater KW are infinitely variable set to the respective production conditions. The heated billets leave the coil in the desired production cycle through a fast take off roller table with a chute or they are removed from the last coil by a gripper with tongs and released on the exit chute for transfer to the forging press.

Alidia Powertech also supplies supplementary equipments like step loading feeder, inclined indexing loader, side transfer loader, hot billet extraction, pyrometric temperature detection and billet removal.

The careful control of power, frequency and coil geometry allows us to design the equipment with high levels of process control and reliability regardless of the application.

We claim to have the engineering, technical and service net work in position to meet the needs of the forging industry, as we meet the challenges of an ever changing global market.



### Technical Specifications:

- Power range - 50KW to 500KW
- Billet size (round) - 25mm to 150mm dia.
- Billet size (rectangle) - 25x25 to 150x150mm dia.
- Series Inverter type control panel
- Input Power Factor - >0.97 at all power levels

### Salient Features:

- Ferrous & non-ferrous metals
- Automatic, semi automatic loading system as per customer requirement
- Heating coil with quick changing arrangement
- Auto accept/reject mechanism
- Highly efficient panel and coil
- Optional temperature measuring instrument
- Specialized coil cast refractory lining for long life
- Easy start with coil full of cold charge as well as hot charge

- Discharge quick extractor (optional)
- Water flow, temperature and pressure interlocks
- Earth leakage monitoring and detection
- PLC control system

### Advantages:

- No waiting time- full power fed in seconds
- Fast heating
- Environment friendly- no dust and fumes are emitted
- Low scale loss (only 0.5 percent)- results in quick payback
- Increased die life- due to less core to surface temperature difference
- High productivity
- Precise temperature control over the complete length of the bar/billet

