

Electrotherm Network



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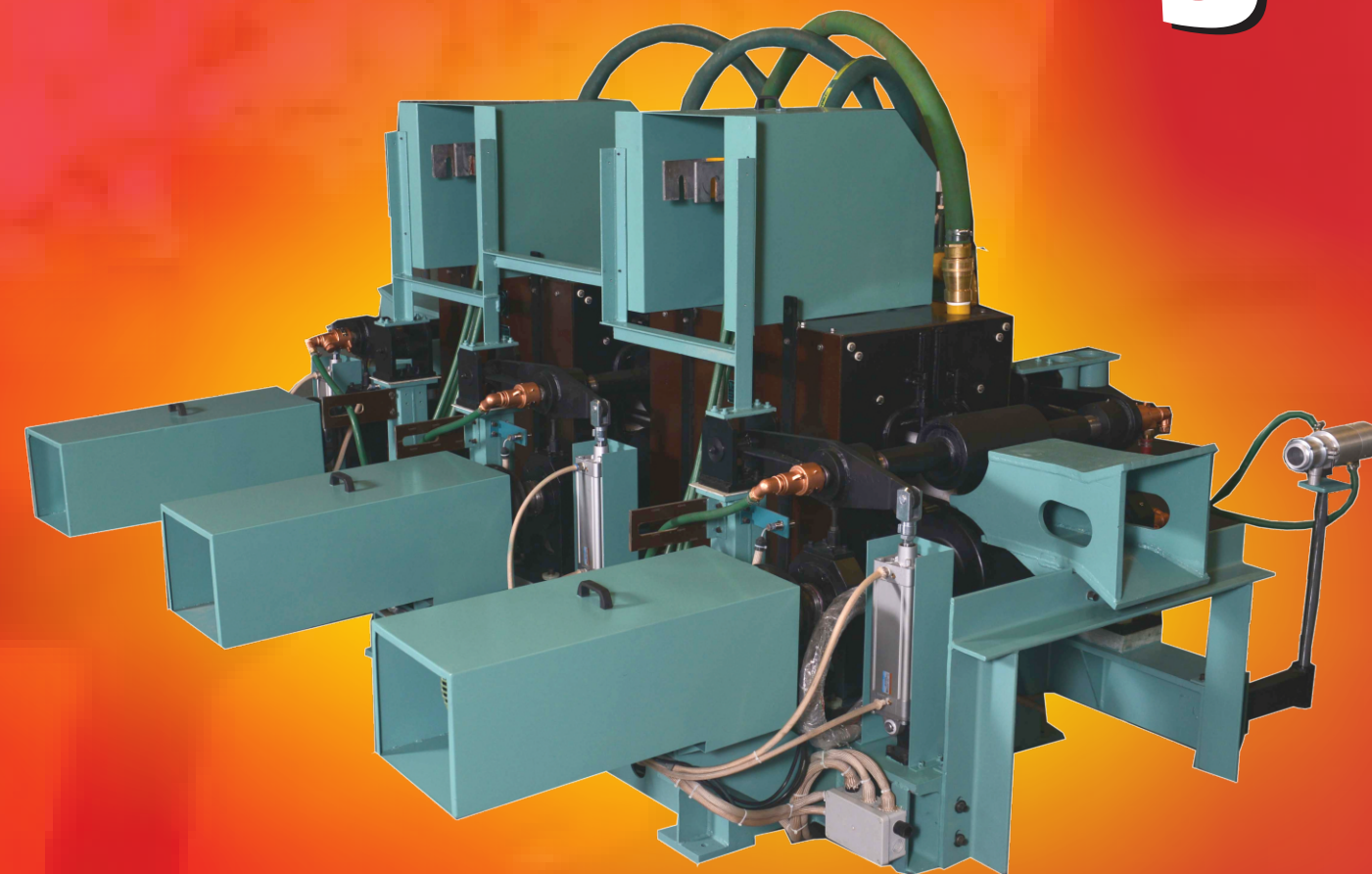
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ELECTROTHERM[®]

In-line Billet Heater

For Hot Rolling



ELECTROTHERM[®]



Electrotherm (India) Limited, an ISO 9001:2008 certified, public limited company, was founded in 1983 to cater to the needs of all segments of steel industry, foundries and heat treatment industry. Today, Electrotherm is a well diversified conglomerate having businesses in the field of Engineering & Projects catering to steel and foundry industry; transformer manufacturing; steel making; ductile iron pipe making; manufacturing of battery operated vehicles; renewable energy; transmission line tower and education.

Electrotherm has a Global network in the form of 32 offices within India and supports International Customers through offices at Bangladesh, China, Iran, Malaysia, Pakistan, South Africa, Brazil, Argentina, and Turkey with qualified and experienced Sales and Service Engineers. Electrotherm has installations in more than 42 countries.

Backbone of Electrotherm is its world class in-house Research and Development facility accredited by Department of Science & Technology, Government of India, for product development, design and engineering.



SALIENT FEATURES:

- Load resonant technology
- S-Series / IG-Pack Power supply unit
- Input Power factor +0.98 from 0 to 100% output power
- Unitized modular concept
- Single / Dual / Multi Zone Heating
- True temperature uniformity control
- D.M. water temperature digital display unit
- Refractory casted rugged Induction Coil design
- Epoxy Insulated Coil winding
- Quick disconnect Water & Electrical Connection

ROBUST & HEAVY DUTY MECHANICAL HANDLING SYSTEM:

- Motorized heavy duty high speed roller conveyer
- 45 / 90 degree turn table
- Insulated covers to retain heat

OTHER ACCESSORIES:

- Infrared pyrometer at exit of each heating zone
- Temperature recorder & display unit
- Energy Monitoring System

CONTROLS:

- PLC Control with HMI
- Water Flow, Temp. & Pressure Safety interlocks
- Door Interlock
- Pressure Switches in both water circuit (D.M. & Cooling Tower)
- Temperature Gauges
- Emergency OFF
- Flow Switches in all critical water paths
- SCADA System (Optional)

CUSTOMER BENEFIT:

High energy efficiency,
Optimum rolling temperature
Less power consumption
Minimum Space require
Automatic handling
Negligible scale loss

Enhanced productivity
Rapid start-up
No Special Foundation required
Low running cost
Uniform heating
Environment Friendly

TECHNICAL SPECIFICATION:

- Power rating: 500 kW to 10000 kW
- Frequency: 250 Hz to 1000 Hz
- Billet size: Sq. 65 mm to 200 mm
- APPLICATION: rolling mills for Wire rod, Structure, TMT bars etc...

Inline Induction Billet Heater for Hot Rolling Application

