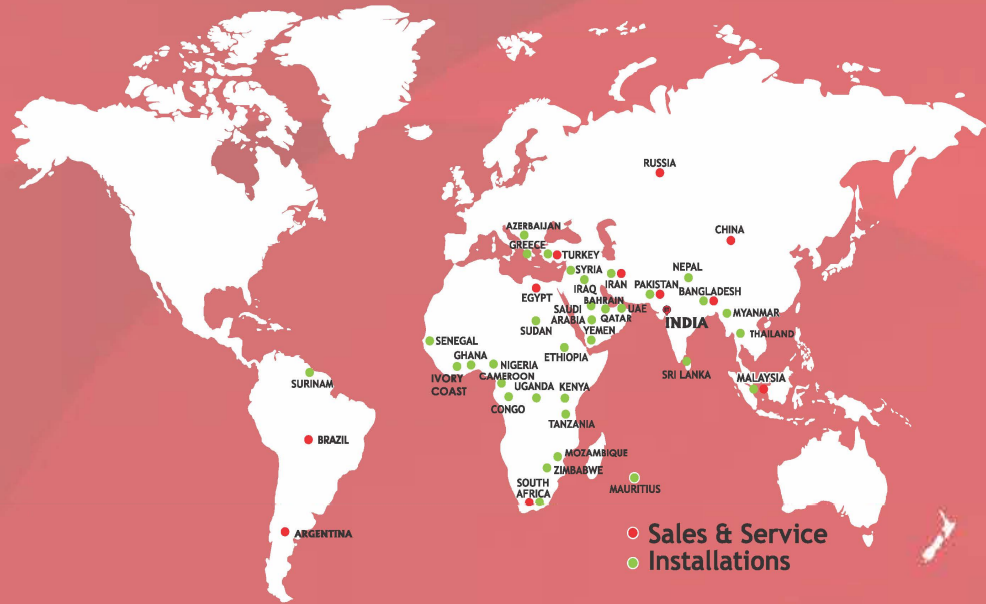




International Presence



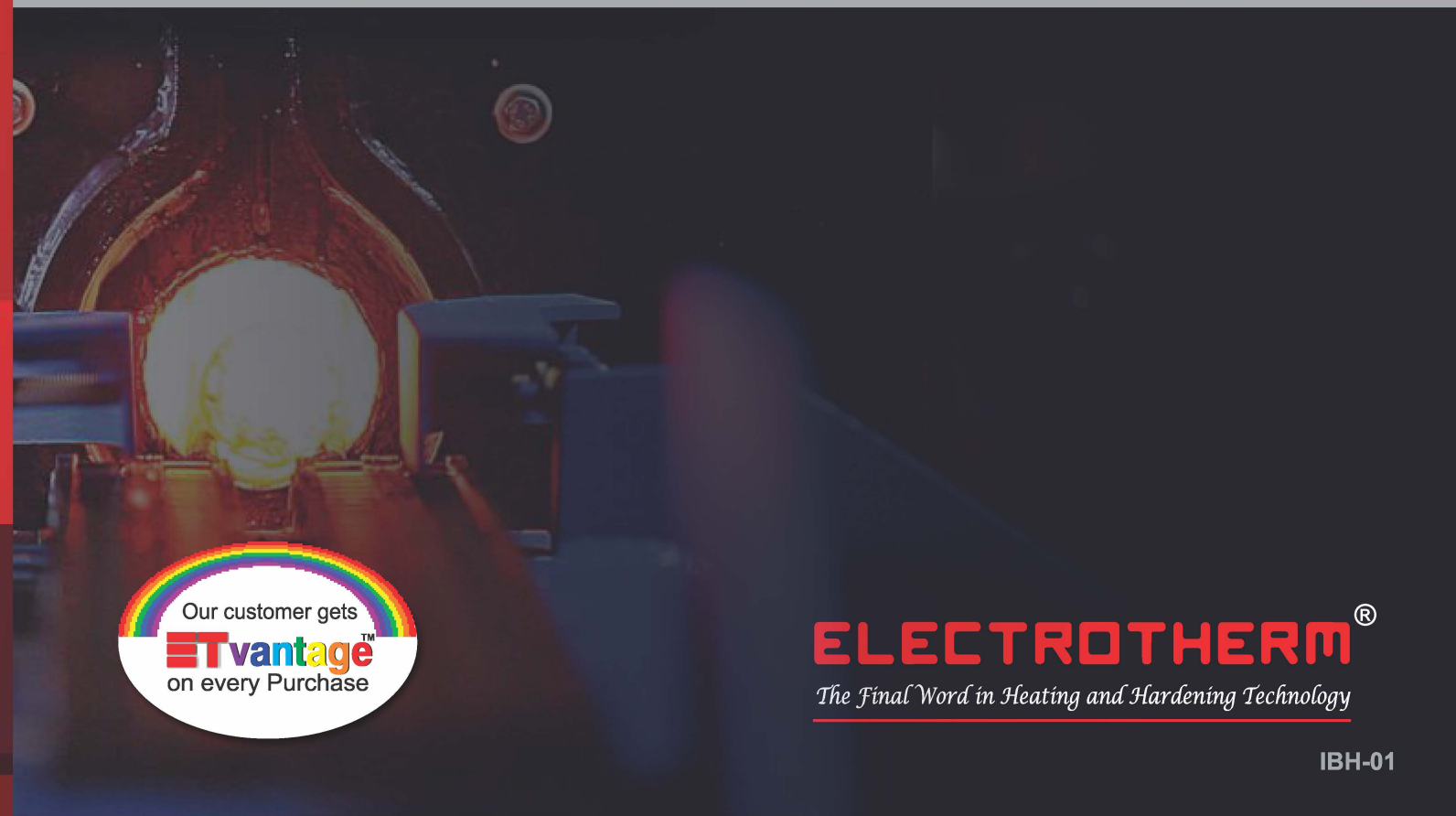
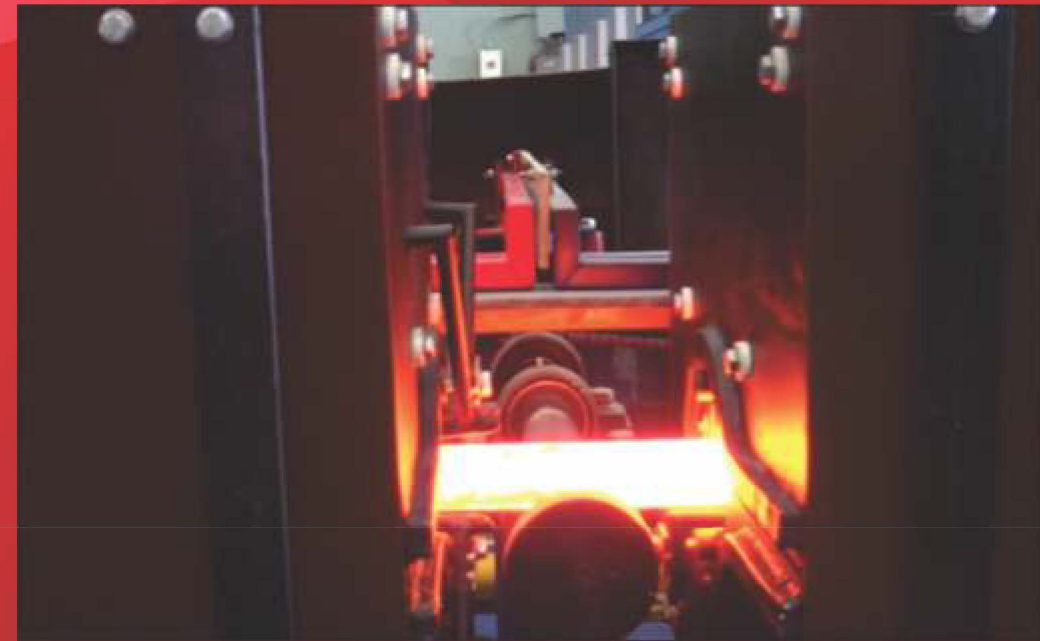
National Network



The Range of Products and Services:

- Induction Melting Furnaces for mini steel plants
- Induction Melting / Holding Furnaces for foundries
- Electric Arc Furnaces
- Ladle Refining Furnaces
- Induction Refining Furnaces
- Metal Refining Konverters
- Modular Continuous Casting Machines
- Coal based Rotary Kiln (Sponge Iron) Plant
- Coal based Tunnel Kiln (Sponge Iron) Plant
- Gas based HYL DRI Plant up to 200,000 TPA capacity
- Turnkey Projects for steel melt shop for producing billets / ingots
- Turnkey Projects for Integrated Plant through DRI – SMS route
- Plant design and engineering
- Plant Automation
- Support for improving plant productivity, end product's quality and plant efficiency.

INDUCTION BAR HEATER



ELECTROTHERM[®] (INDIA) LIMITED

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 Web: www.electrothermenp.com



ELECTROTHERM[®]

The Final Word in Heating and Hardening Technology

SALIENT FEATURES :

- ▶ Load resonant technology
- ▶ Digital control IGBT Power supply unit
- ▶ Input Power factor 0.99 for 0 to 100% output power
- ▶ Flexible Modular design
- ▶ Single Utility connection
- ▶ True temperature uniformity control
- ▶ D.M. water temperature display unit
- ▶ No Special Foundation required
- ▶ Refractory casted rugged Induction Coil design
- ▶ Epoxy Insulated Coil winding
- ▶ Quick disconnect Water & Electrical Connection
- ▶ Suitable for semi-forged and unforged component heating
- ▶ Temperature Feedback Control (Optional)
- ▶ Built in D.M. Unit (Optional)

ROBUST & HEAVY DUTY MECHANICAL HANDLING SYSTEM :

- ▶ Auto ramp loader
- ▶ Pneumatic bar lifting arrangement
- ▶ Motorized heavy duty chain driven rollers
- ▶ Pinch roller assembly
- ▶ Guide rollers & other accessories
- ▶ Bar loading arrangement from Ground Level (Optional))



OPTIONAL ACCESSORIES :

- ▶ Infrared pyrometer with temperature display unit
- ▶ Energy Monitoring System



CUSTOMER BENEFIT :

High energy efficiency, Enhanced productivity, Optimum forging temperature, Rapid start-up, Reduced power consumption, Higher quality output, Improved die life, Low running cost, Automatic handling, Uniform heating, Negligible scale loss, Environment Friendly.

POWER RATING : 50 kW to 4000 kW

FREQUENCY : 300 Hz to 30 kHz

BAR SIZE : Round 16mm to 200 mm

CONTROLS :

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

