ElectroTherm TIMES®

www.electrotherment.com News from the world of ET's customers June, 2026

WHEN THE INDUSTRY THINKS BIG, THEY THINK ELECTROTHERM

INDIA'S 1ST 32 MW / 7000 VOLT / 60 MT DTi SERIES DiFOC FURNACE COMMISSIONED

Since 2023, every large-capacity induction melting installation of 50 MT and above operating successfully in India has one thing in common, Electrotherm's Engineering and DiFOC® Technology.

From successful 50 MT furnace installations to the commissioning of the World's Highest Power 32 MW / 7000 Volt / 60 MT Induction Melting Furnace, Electrotherm continues to redefine the possibilities of induction melting technology.







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SUCCESSFUL COMMISSIONING OF 7500 KW / 15 MT

Electrotherm successfully commissioned a **7500 kW / 15 MT Induction Melting Furnace, 9000 kVA Furnace Transformer,** and **Scrap Poker System.**

The successful commissioning marks another milestone in delivering reliable and efficient steelmaking solutions. The integrated system is designed to enhance productivity, operational efficiency, and process reliability, supporting the customer's growing manufacturing requirements.

This achievement reflects Electrotherm's continued commitment to provide advanced technology and end-to-end solutions for the steel industry.









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FOUR OUTPUTS, ONE POWERFUL BACKBONE.

10,000 kVA Furnace Transformer Energized at Bhopal, Madhya Pradesh

A steel melting operation depends on more than furnace capacity alone, behind every stable heat is a power system engineered to handle demanding and continuously changing electrical loads.

Electrotherm commissioned a 10,000 kVA Furnace Transformer at Bhopal, Madhya Pradesh.

Rated at 33 kV / 600 × 4 V, the transformer has been configured with four secondary outputs to meet the power requirements of the customer's induction melting facility. Its commissioning adds a strong electrical backbone to the plant, supporting controlled power delivery and dependable melting operations.

This project also demonstrates the coordination between Electrotherm's furnace and transformer capabilities, bringing critical equipment together as one integrated system.



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THREE 650 TPD DRI PLANTS UNDER EXECUTION ON TURNKEY BASIS

Electrotherm continues to expand its ironmaking project portfolio with 3 x 650 TPD DRI plants currently under execution.

This project demonstrates our comprehensive turnkey capabilities, from initial design and supply through to final commissioning.









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DiFOC TECHNOLOGY STRENGTHENS ITS PRESENCE IN BANGLADESH

7.5 MW / 20 MT Induction Furnace Commissioned in Dhaka

The installation adds another high-capacity DiFOC system to Electrotherm's growing international footprint and supports large-scale melting operations with advanced induction furnace technology.







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A PARTNERSHIP BUILT OVER TWO DECADES

"Electrotherm has been a partner in the growth of SRJ since 2002."

Key Highlights

"Two years ago when we commissioned India's then-largest induction furnace that is 50 metric tons and it was one of the most successful furnaces that they ever built and the performance was predictable. The commissioning was smooth, the support and service that Electrotherm provides was absolutely top-notch. Jalna as a steel economy, values the importance of load factor, Electrotherm understands this deeply and ensures optimal utilization of power and ensures that there is no downtime for the furnace. This is achieved because of the cutting-edge technology that Electrotherm offers, along with best-in-class service engineers that are available 24/7, round the clock, for support of any sort, at every step of the way. The entire process was seamless, the pre-sale experience of interacting with the engineers for understanding our needs was transparent, and the alignment was perfect. During the complex installation of a 50 metric ton furnace, the Electrotherm engineering team worked tirelessly and ensured that on-time delivery was assured, even for such a complicated task.

The DiFOC panel that Electrotherm manufactures and provides is world-class technology. To work with such complex technology of a 50 metric ton furnace, the one thing that helps manufacturers and the entire operations team is that this furnace is equipped with the latest artificial intelligence technology and because of the DiFOC panel, the melting quality is of the highest. As a manufacturer, the one most important element for us is the uptime of the furnace, and Electrotherm delivers that experience flawlessly. The entire power control systems and automation can be accessed remotely, and in case of any technical difficulties faced, Electrotherm is available 24 hours for support. We are immensely satisfied with the rugged nature of this 50-ton furnace, which is reliable, and I am sure it will stand the test of time. From the entire industry we thank Electrotherm for its partnership."

Vineet Peety - Executive Director

SRJ Peety Group

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A HISTORIC MILESTONE IN SUSTAINABLE STEELMAKING

"Since 1996, every major expansion at Rajuri Steel has been powered by Electrotherm technology."

Key Highlights

"We have successfully commissioned the India's largest induction furnace, a 32 MW furnace supplied by Electrotherm. Our partnership with Electrotherm spans nearly three decades. Since 1996, every major expansion at Rajuri Steel has been powered by Electrotherm's technology. Their equipments have delivered exceptional reliability, operational stability, and productivity under the most demanding steelmaking conditions. What truly differentiates Electrotherm is their commitment to customer success. From project conceptualization and engineering to commissioning and after-sales support, their team has always worked with us as a trusted technology partner. Their technical expertise, responsiveness, and sense of ownership have played a significant role in the successful execution of this landmark project.

Rajuri Steel continues to scale and support India's infrastructure, we look forward to growing together with Electrotherm as our technology partner. We thank the entire Electrotherm team for their partnership and support, and we look forward to continuing this journey of innovation and progress together."

Kaustubh Kailashji Loya - Director

Rajuri Steel

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Kejriwal Castings Limited Appreciates Electrotherm's Performance

2750 kW / 4 Ton Induction Melting Furnaces

"The induction furnaces supplied by Electrotherm have been operating continuously with excellent reliability, delivering outstanding performance, optimized power consumption, and robust operation. The equipment has consistently supported smooth production processes and stable plant operations.

We also appreciate the responsive technical support and professional service provided by the Electrotherm team throughout installation and subsequent operations. We look forward to continuing our long-term business relationship with Electrotherm."

Dr. Gourab Saha
Plant Head
Kejriwal Castings Limited

Kores India Appreciates Electrotherm's IG-nite Triple Track System

3000 kW / 1000 kg × 3 IG-nite Triple Track Series

"We are fully satisfied with the performance of Electrotherm's Induction Melting Furnace. The equipment is highly customer-friendly and efficient.

The after-sales and service support provided by Electrotherm has been excellent, and we are very pleased with the overall performance of the equipment.We sincerely appreciate Electrotherm's continuous support and look forward to receive the same level of service in the future."

Mr. Eknath Gurav
Deputy Manager
Kores India Ltd.

Vivan Steels Appreciates Electrotherm's Performance

8000 kW / 20 MT DTi Series Induction Melting Furnace

"We have been associated with Electrotherm for the past five years and are highly satisfied with the overall performance of the equipment.

The furnace is user-friendly, efficient and meets our operational expectations. We also appreciate the excellent after-sales service and prompt support provided by the Electrotherm team.

We value our long-standing relationship and are always ready to recommend Electrotherm make equipment."

Mr. Sahil Patel
Director
Vivan Steels and Alloys Pvt. Ltd

WINNING COMBINATION OF STEELMAKING

DRI MAKING-MELTING-REFINING-CASTING-ROLLING





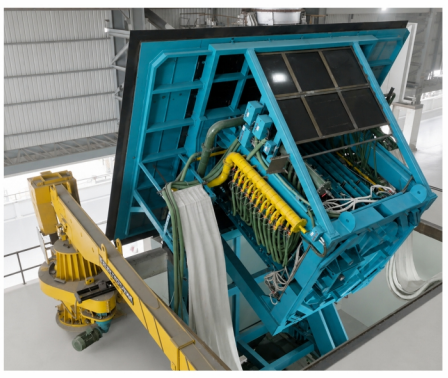
COAL BASED DRI PLANT

Coal based Direct Reduced Iron (DRI) / Sponge Iron plant for producing high quality alternative raw material for steel making plants.



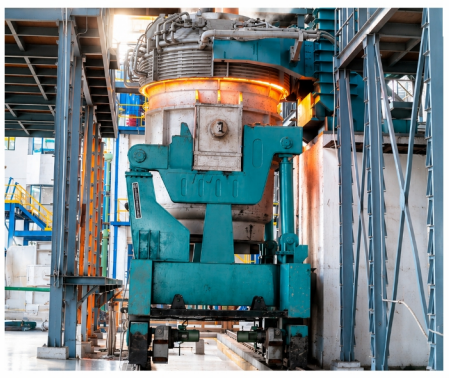
TRANSFORMERS

Transformers for induction furnace, EAF, LRF, Rolling mill, Power, Locomotive, BESS and distribution, solar inverter duty and solar power house, unitized substation and reactor.



INDUCTION MELTING FURNACE

State-of-the-art Digital inverter technology through Fibre Optic Communication (DiFOC) system in Power Supply Units up to 40,000 KW coupled with ultra-efficient induction melting furnace up to 80 ton capacity.



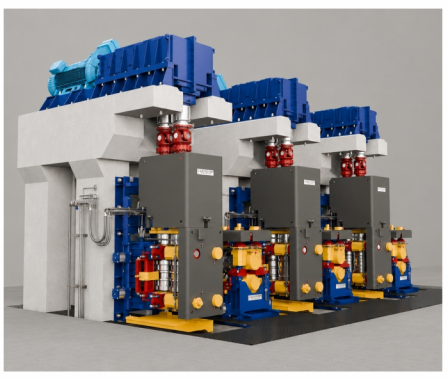
LADLE REFINING FURNACE

ERF® (Electrotherm Refining Furnace) with ELdFOS® technology, a special metallurgical equipment for carrying out de-phosphorization and de-sulphurization in the same equipment.



CONTINUOUS CASTING MACHINE

High-Speed Billet Casting Machine of different sizes, grades and shapes for Billets, Bloom, Round and Slab, most suitable for Direct Rolling and for producing structural steel, alloy steel, spring steel, free cutting steel and bearing steel.



ROLLING MILL

Highly advanced Rolling Mill for Bar & Wire-Rod, Structural and Narrow strip Mill with proven European Technology to maximize production, manufactured in India

PRODUCT RANGE

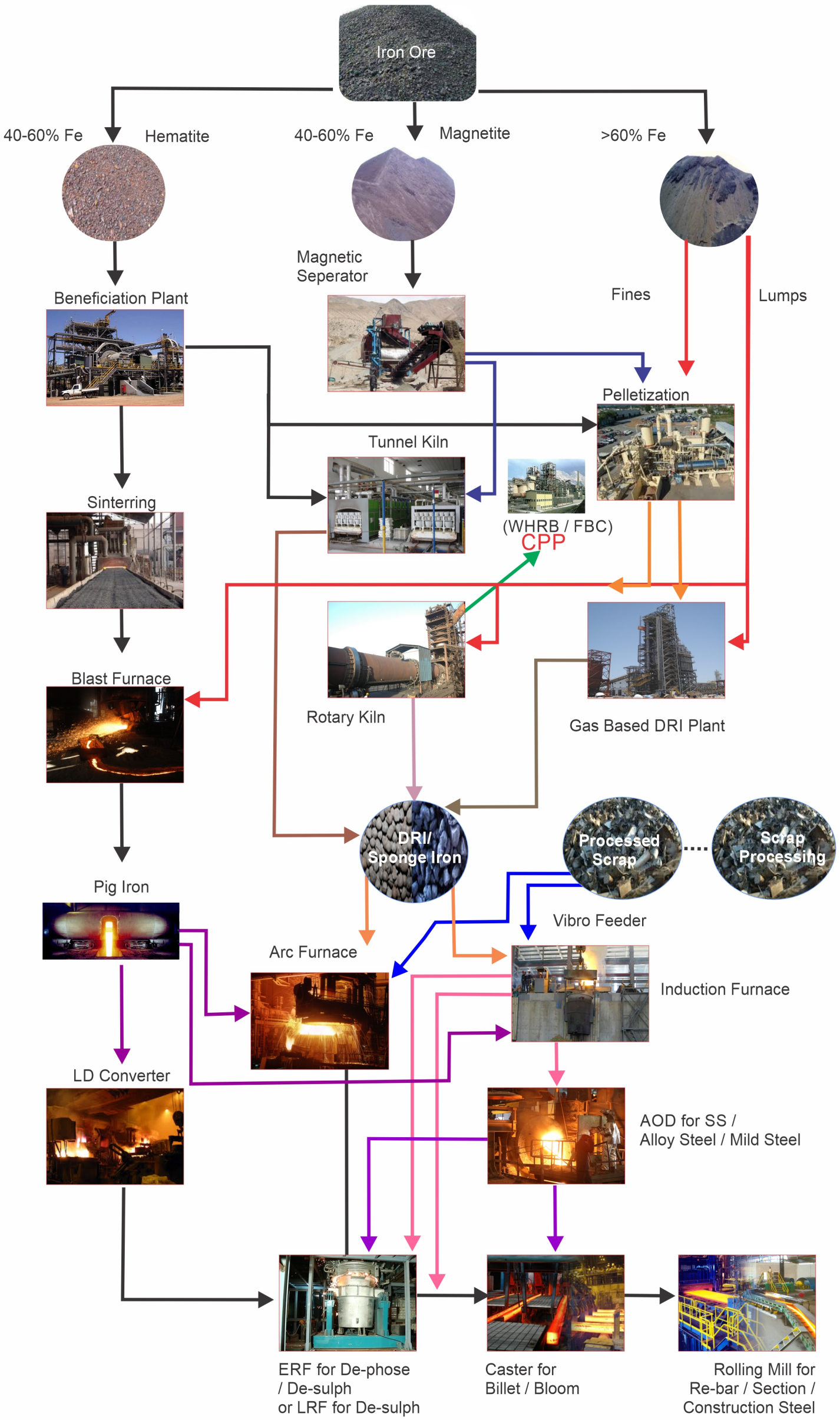
- Induction Melting Furnaces
- Electrotherm Refining Furnaces (ERF/LRF)
- Metal Refining Konverters (MRK/AOD)
- Continuous Casting Machines
- Coal based DRI Plant (Rotary Kiln)
- Turnkey Projects for Steel Melt Shop
- Foundry Equipment
- Plant Design and Engineering
- Plant Automation
- Transformers
- Air Pollution Control Equipment
- Productivity Improvement Equipment
- Induction Heating & Hardening Equipment
- Rolling Mill
  - Compact Mini Bar Mill
  - Twin-Module Block Mill
  - Wire Rod Mill, Hot Strip Mill
  - Structure & Mini Merchant Mill
  - Patented Bar Quenching System
- Industry Leading Services

77+ COUNTRIES REACHED

A GLOBAL FOOTPRINT BUILT ON ENGINEERING EXCELLENCE

The most preferred Steel Plant maker up to 1 MTPA capacity through various alternative routes

Process Flow Chart For Steel Making Through Various Alternative Routes



WHEN THE INDUSTRY THINKS BIG, THEY THINK ELECTROTHERM

ELECTROTHERM®

6 NUMBERS
50 TON AND ABOVE
Induction Melting Furnaces
WORKING SUCCESSFULLY SINCE 2023

Since 2023, every large-capacity Induction melting installation of **50 Ton and above** operating successfully in India, one thing is common...

ELECTROTHERM and DiFOC TECHNOLOGY

from 50 Ton furnaces to the successful commissioning of the **world's highest power 32 MW / 7000 Volt / 60 Ton** furnace, Electrotherm continues to push the boundaries of what is possible in induction melting.

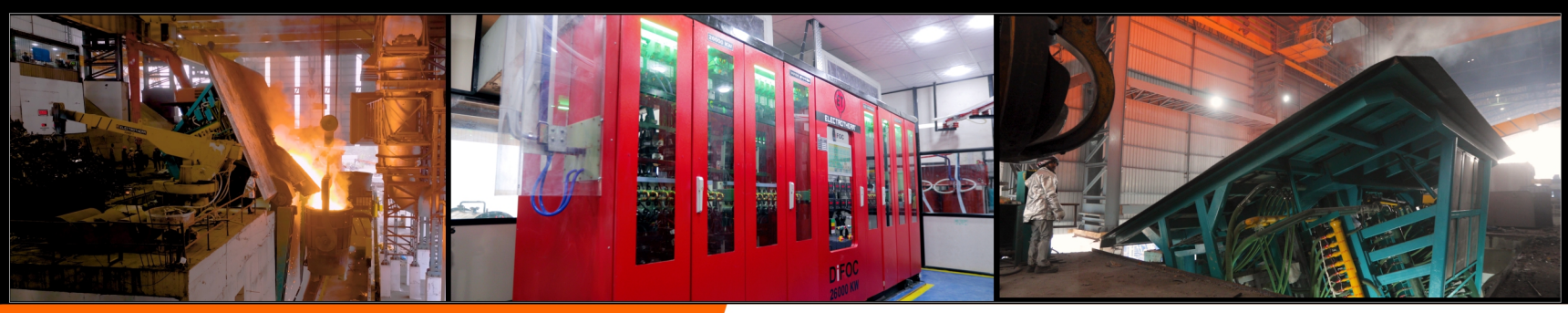
Operating Since:

26MW/50 MT - 7-11-2023 & 26MW/50 MT - 20-01-2024

24MW/50 MT - 31-01-2024 & 24MW/50 MT - 27-05-2024

26MW/50 MT - 7-05-2024

32MW/60 MT - 17-06-2026



We can offer Thyristor and IGBT Power Supply Units up to **50 MW** & Furnace Capacity **60 Ton, 70 Ton 80 Ton, 90 Ton and 100 Ton**

All 50 Ton & 60 Ton equipment working un-interrupted since its installation.

WHAT MAKES THIS ACHIEVEMENT SPECIAL

PROVEN PERFORMANCE in continuous operation

ENHANCED PRODUCTIVITY and profitability

LOWEST SPECIFIC POWER CONSUMPTION for maximum efficiency

HIGHEST UPTIME For maximum production

TRUSTED BY LEADING STEEL MANUFACTURERS

ELECTROTHERM DTI SERIES DIFOC WHEN PERFORMANCE MATTERS, THERE IS NO BETTER ALTERNATIVE.

DTi SERIES DiFOC

Our DTi Series DiFOC system have proven that there is no alternate to beat performance - give **COMPETITIVE EDGE** to our customers.

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