



**Innovative
Intelligent
Energy-Efficient**

FURNACES



TECHNOTHERMA (INDIA) PVT. LTD.

**FURNACE
MANUFACTURER**

 **SINCE 1988** 



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2301-2302, MIE Phase -2, Bahadurgarh, Haryana 124507
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www.technotherma.com

Vision

To be the most trusted global leader in industrial heating solutions, setting benchmarks in technology, sustainability, and customer satisfaction.

Mission

Technotherma India Pvt. Ltd. delivers smart, reliable, and energy-efficient industrial heating solutions. Trusted by top industries, we combine innovation with precision to power your performance.

Goals

To consistently deliver high-performance, energy-efficient heating systems that exceed client expectations, drive industrial growth, and build long-term partnerships.



About Us!

Technotherma India Pvt. Ltd. is a trusted name in industrial heating solutions, specializing in the design, manufacturing, and supply of high-quality industrial furnaces and thermal equipment.

With a commitment to innovation, quality, and customer satisfaction, we serve a wide range of industries across India and beyond.

Contact Us



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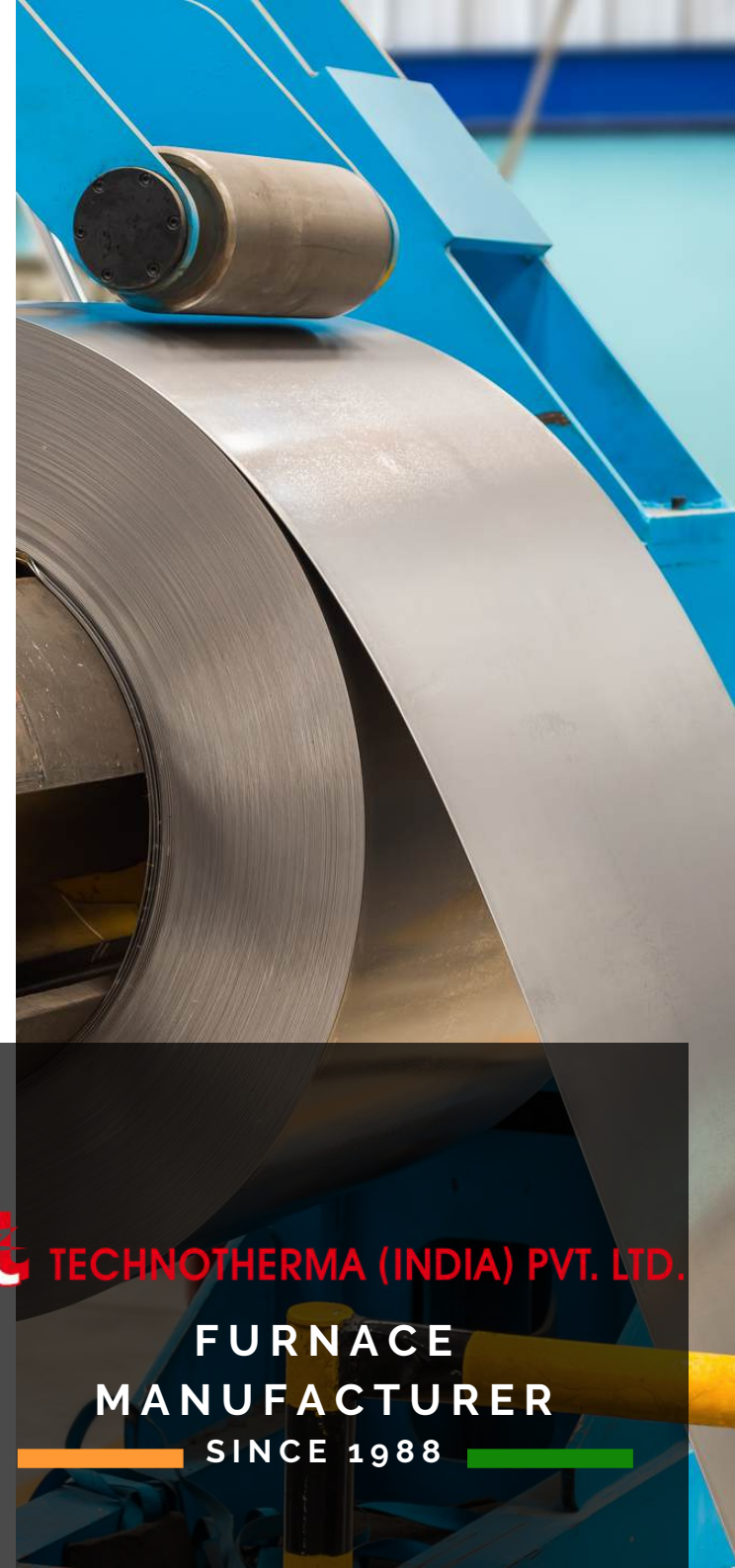
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PORTOFOLIO

Products

- Aging Furnace
- Ammonia Cracker
- Annealing Furnace
- Batch Type Furnace
- Bell Type Furnace (H₂ and N₂ Atm)
- Bogie Hearth Furnace
- Car Bottom Furnace
- Chamber Furnace
- Carburizing Furnace
- Calcination Furnace
- Color Coating Oven
- Continuous Conveyor Furnace
- Decarb Furnace
- Drying & Curing Oven
- Electrically Heated Furnace
- Galvanizing Furnace
- Gas Fired Furnace
- Hardening Furnace
- Heat Treatment Furnace (Customized)
- Laboratory Furnace (Small-Scale)
- Muffle Furnace
- Nitriding Furnace
- Pit Type Furnace
- Preheating Furnace
- Pusher Type Furnace
- Rotary Hearth Furnace
- Roller Hearth Furnace
- Salt Bath Furnace
- Solutioning Furnace
- Stress Relieving Furnace
- Tempering Furnace
- Tube Drier
- etc

At Technotherma India Pvt. Ltd., our proven track record speaks for itself — we have successfully designed, manufactured, and installed numerous industrial furnaces across India and overseas. Our global footprint is a testament to the trust leading industries place in our expertise, reliability, and commitment to quality.



At Technotherma India Pvt. Ltd., we take pride in building long-lasting, trust-based relationships with our clients. Our clientele includes some of the most respected names in industries such as steel, automotive, foundry, and engineering. We view our clients not just as partners, but as an integral part of our journey.



EXPERT ENGINEERING, TRUSTED RESULTS

At Technotherma India Pvt. Ltd., we place the highest priority on the confidentiality of new technologies and innovations. Our clients can trust that any proprietary information shared with us is protected with the utmost care and security.

We are backed by a strong and experienced engineering team, committed to not only understanding the unique challenges of our clients but also working hand-in-hand to develop effective, customized solutions. Our team excels at diagnosing issues, analyzing data, and deploying the latest technologies and tools to generate accurate models and conduct thorough analysis to drive performance improvements.

As industry leaders in heat treatment furnaces, we have earned the trust of numerous clients who rely on us for our expertise and commitment to excellence. By integrating the latest advancements in technology and continuous innovation, we ensure that our solutions remain at the cutting edge, keeping our clients ahead in a competitive landscape.

At Technotherma India Pvt. Ltd., we are proud to have established strong partnerships and strategic tie-ups with leading organizations in the industry. These collaborations enable us to stay at the forefront of technological advancements and continuously enhance our product offerings.

We are a proud MSME member, which reflects our commitment to excellence, growth, and contributing to the economic development of India. This recognition empowers us to offer flexible, cost-effective solutions tailored to the needs of businesses of all sizes.





TECHNICAL STRENGTHS

Engineering expertise

Our team blends decades of experience with advanced thermal technology to deliver precise, energy-efficient, and reliable heating solutions tailored to the demanding needs of steel, automotive, forging, and rolling mill industries.

Quality standards followed

Technotherma India Pvt. Ltd. adheres to the highest quality standards, following ISO-certified processes and conforming to relevant BIS specifications. Every furnace is engineered and tested to meet strict performance, safety, and durability benchmarks—ensuring reliable operation and customer satisfaction.



Backed by ISO-certified processes and adherence to BIS standards, every solution reflects precision, performance, and reliability. With innovation at our core and quality as our promise, Technotherma continues to power India's industrial heat processing journey — one furnace at a time.



PROJECT HIGHLIGHTS

Technotherma India Pvt. Ltd. specializes in delivering cutting-edge, energy-efficient industrial furnaces tailored to diverse industrial applications. With a strong footprint across India and international markets, we are proud partners to reputed OEMs and top-tier clients in the steel, automotive, forging, and allied sectors.

Our project portfolio includes:

- 40-meter Colour Coating Ovens
- 25+ Bell Furnaces annually, supporting continuous demand from major manufacturers
- Bogie Hearth Furnaces for heavy-duty operations
- Hydrogen Atmosphere Furnaces for bright annealing and special metallurgy
- Nitrogen Atmosphere Furnaces for controlled, safe heat treatment
- Continuous and Batch Annealing Lines
- Solution Annealing, Normalizing, and Tempering Furnaces
- Gas-Fired, Electrically Heated & Hybrid Systems customized to plant conditions
- Pusher Type, Roller Hearth & Walking Beam Furnaces for automated production

Every project is executed with ISO-compliant processes and stringent quality checks to ensure durability, efficiency, and performance.

Technotherma India Pvt. Ltd. is a trusted name in the design and manufacture of energy-efficient, high-performance industrial furnaces. With a robust presence across India and global markets, we cater to the evolving needs of the steel, automotive, forging, and allied industries.



Commitment to Quality and Innovation
Every furnace we build is engineered with:

- ISO-compliant processes
- Rigorous quality control protocols
- High-performance materials and technology



INDUSTRIES SERVED

- Steel Plants – Hot & cold rolling, annealing, and finishing lines
- Automobile & Auto Component Manufacturing
Heat treatment of critical parts
- Forging & Foundry Units – Preheating, tempering, and stress-relieving furnaces
- Tool & Die Industry – Precision heat treatment and hardening
- Machinery & Engineering Equipment Manufacturing
- Refractory & Ceramic Industry – Kilns and drying ovens
- Chemical & Petrochemical Plants – Furnaces for thermal processing and catalyst activation
- Electrical & Electronic Component Industry – Brazing and annealing
- Gear & Bearing Manufacturers – Controlled atmosphere hardening and tempering
- Chain & Fastener Manufacturers – Continuous furnaces for mass production
- General Fabrication Shops – Preheating and stress-relieving
- Medical Equipment Manufacturing – High precision heat treatment
- Aerospace & Defence Component Suppliers
- Powder Metallurgy & Sintering Units
- Research & Development Institutions – Custom lab-scale furnaces
- Export Projects for Global Clients – Tailored solutions across borders
- And Many More

Our deep technical expertise and customized approach have earned us long-standing trust and repeat business from some of the most demanding sectors in manufacturing.



Booklets are printed materials with four or more pages, containing details about a business, event, product, promotion, etc. They are also known as catalogs or pamphlets, and are usually.

BELL FURNACES

An Overview

Bell furnaces are specialized heat treatment systems designed with a removable bell-shaped cover that encloses the workload. These furnaces are widely used in the metallurgical and steel processing industries for controlled atmosphere annealing, normalizing, and other heat treatment processes.

Applications

- Steel Coils
- Wires
- Strips
- Rods
- Tubes

Protective Atm

- Hydrogen (H_2): Used for bright annealing and to ensure a reducing atmosphere.
- Nitrogen (N_2): Commonly used for inert atmospheres to prevent scaling and decarburization.

Types of Heating

- Electric Heating
- Gas Fired
- Oil Fired:

Key Advantages

- Uniform temperature distribution
- Versatility in heat treatment cycles
- Atmosphere protection for surface finish
- Scalability for batch processing



COLOUR COATING OVEN

An Overview

A Colour Coating Oven is a specialized industrial furnace used in coil coating lines to cure paints or coatings applied to metal substrates such as steel or aluminum coils. These ovens play a crucial role in ensuring a uniform, durable, and high-quality finish on pre-painted metal products used in construction, automotive, appliances, and other sectors.

Materials Processed

- Galvanized Steel
- Cold Rolled Steel
- Aluminum Coils

Industrial

Booklets are printed materials with four or more pages, containing details about a business, event, product, promotion, etc. They are also known as catalogs or pamphlets, and are usually.

Application Areas

- Continuous Coil Coating Lines (CCL)
- Sheet Coating Plants
- Architectural Panels
- Appliance Panels and Roofing Sheets

Key Features & Benefits

- Uniform Heat Distribution
- Fast Throughput
- Energy Efficient Design
- Environmental Compliance



TECHNOTHERMA (INDIA) PVT. LTD.

Key Advantages

- High load capacity
- Easy operation and maintenance
- Customizable sizes and heating sources .
- Durability

BOGIE HEARTH

An Overview

A Bogie Hearth Furnace is a type of batch furnace where the hearth (base) is mounted on a movable bogie or trolley that rolls in and out of the furnace chamber. These furnaces are widely used for heat treatment of heavy, bulky, or oversized components that are difficult to load into conventional furnaces. They offer excellent temperature uniformity, flexibility, and easy loading/unloading.

Applications

- Steel and Forging
- Heavy Engineering
- Power Generation Equipment
- Automotive and Rail
- Aerospace Components

Common processes

- Annealing
- Normalizing
- Hardening
- Stress Relieving
- Preheating for Forging

Typical Workpieces

- Steel billets and ingots
- Heavy machine components
- Shafts, rolls, and cylinders
- Castings and fabricated assemblies



PIT TYPE FURNACE

An Overview

A Pit Type Furnace is a vertical, cylindrical, heat treatment furnace designed primarily for batch processing of components that are long, cylindrical, or require vertical suspension during heat treatment. These furnaces are installed in a pit or trench, allowing the charge to be loaded and unloaded from the top, making them ideal for operations where gravity-assisted loading is beneficial.

Applications

- Heat Treatment of shafts, rods, pipes, etc
- Annealing of Metal Alloys
- Tempering and Hardening
- Tool & Die Industry
- Automotive & Aerospace Components

Common processes

- Annealing
- Normalizing
- Hardening
- Stress Relieving
- Preheating for Forging

Key Advantages

- Space-Efficient Design
- Uniform Heating for Cylindrical Parts
- Energy Efficient Insulation
- Automation Options
- Customizable Capacities

Why Choose Technotherma?

- Proven Expertise:
- Custom-Built Solutions
- Quality Assurance
- After-Sales Support
- Energy Efficient Design
- Client-Centric Approach



CONVEYOR FURNACE

An Overview

A Conveyor Furnace is a continuous-type furnace designed for high-volume heat treatment processes. It features a moving belt or mesh conveyor that carries parts through a heated chamber, enabling precise, consistent, and repeatable processing. These furnaces are ideal for operations requiring consistent throughput and reduced handling.

Applications

- High-Volume Production
- Sintering of Powder Metal Parts
- Brazing of Components and Assemblies
- Hardening and Tempering
- Annealing of Fasteners, Screws, Nuts, and Springs
- Drying and Preheating Processes

Common processes

- Annealing
- Normalizing
- Hardening
- Stress Relieving
- Preheating for Forging

Key Advantages

- Continuous Operation
- Reduced Cycle Time
- Uniform Heating
- Minimal Handling
- Controlled Atmosphere or Inert Gas
- PLC / SCADA Integration

Why Choose Technotherma?

- Custom-Built Systems:
- End-to-End Solutions:
- Precision Engineering
- Trusted Performance
- Smart Automation
- Quality Assured



CHAMBER FURNACES

An Overview

A Chamber Furnace is a type of industrial batch furnace designed for heat treatment processes that require horizontal loading. It is widely used across industries due to its versatility, ease of operation, and suitability for a broad range of materials and components. These furnaces are ideal for annealing, hardening, tempering, stress relieving, and other thermal processes.

Applications

- Forgings, castings, dies, and tools.
- Stress Relieving
- Tempering and Normalizing
- Preheating for Forging or Rolling
- Batch Processing in Automotive, Aerospace, and Rail Industries

Common processes

- Annealing
- Normalizing
- Hardening
- Stress Relieving
- Preheating for Forging

Key Advantages

- User-Friendly Operation
- Efficient Heating
- Energy-Efficient Insulation
- Front Loading for Easy Access
- Suitable for Medium to Heavy Workloads
- Automation for Process Control

Why Choose Technotherma?

- Tailored Engineering
- Proven Performance
- Quality Control
- After-Sales Support
- Innovative Designs
- Commitment to Delivery



Looking for a Customized Furnace Solution?

At Technotherma, we design, build, and support industrial furnaces tailored to your unique needs.

- ✓ Share your specs
- ✓ Get a technical proposal
- ✓ Partner with India's trusted furnace experts

Contact Us Today

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 Working Hours:

- Monday to Saturday
- 9:30 AM – 6:00 PM

- Share your component dimensions and process needs
- Receive a tailored technical and commercial proposal
- Schedule a call or plant visit
- Let us take care of the engineering — while you focus on production



Have a question?

We're just a message or call away.
Let Technotherma be your trusted partner in thermal engineering — built with expertise, delivered with care.



OUR CLIENTS (IN INDIA)

