



JR FURNACE

Beyond Expectation Built to Perfection

BOGIE HEARTH FURNACE

J. R. FURNACE & OVEN (P). LTD.

(AN ISO 9001 2015 CERTIFIED)

Leading manufacturer of Heat Treatment Furnaces & Industrial Ovens, Furnace Accessories and all types of industrial and special type of heating systems

Bogie Hearth Furnace

JRFURNACE Bogie hearth furnaces/Car bottom Furnace is custom designed for a range of low to high temperatures for steel, alloys and aluminium, Foundry Cast House, Pressure Vessels, Heavy Structural, Forgings, ceramic and other metal industries with temperature range of 200C to 1400C. JR Furnace has built a large number of Fuel fired and Electrically heated Bogie/Car Bottom furnaces for the two decades.

These furnaces can be offered with single/double doors with single/double bogies to meet the customer's requirement. An intermediate door to divide a large furnace in two parts/chambers can also be designed, if desired. The material are loaded on the bogie with the help of EOT crane or any mechanical device and the loaded bogie is pushed into the furnace over rails by means of Electro-mechanical rack and pinion or rope and drum type bogie drive mechanism.



FEATURES & SPECIFICATIONS

- Robust and Heavy Duty construction
- Temperature Range - Upto 1400°C
- From 50 to 1500 KW
- Batch capacity upto 200 MT.
- Temperature uniformity ± 3 to ± 5 Deg C
- High density Energy saving Insulation - Vacuum Formed Ceramic Fibre Boards / Ceramic Fibre Blanket & Module / Brick Lining
- Heating Media Options - Electric / Oil Fired / Gas Fired (Pulse firing combustions systems)
- Heating Elements - Nichrome Wire / Special Alloy Resistance Heating Wire / Silicon Carbide Rod Type
- Sealing of the vertical lift doors and bogie through pneumatically operated soft seal clamps to ensure no ingress of cold air.
- Special recirculating Fans and air guide baffles for uniform temperature distribution.
- Highest energy efficient Gearboxes with inbuilt break system
- Thermal calibration as per API standards
- Furnace Classification - Class 2 / Class 3
- Access through Mobile Network
- User-friendly, full-automated PLC based SCADA system with HMI interface

APPLICATION

Annealing, Stress Relieving, Normalising, Post Weld Heat Treatment, Wire Annealing, Isothermal Annealing, Case Hardening, Austempering, Homogenizing, Billet Heating, Tempering

OUR GROWING COMPANY

Promoted by technocrats in 1983, JR FURNACE has been a leader in providing Thermal Engineering solutions to its customers all over India and Abroad. With a team of professionals, JRFURNACE offers "Concept to Commissioning" services.

Our range of equipment includes Bogie Hearth Furnaces, Chamber Furnaces, Continuous furnaces, Batch Furnaces, Pit furnaces, and Fuel Fired Furnaces.

We manufacture Ovens & Driers for various applications, both fuel-fired & Electrically heated. We offer High-temperature kilns for the refractory & ceramic industry for temperatures up to 1650°C.



With the latest technology, we manufacture Sealed quench furnaces for the Tooling & Automotive Industry.

We have a creditable list of customers across both govt and private sector industries in India.

We have been recognized by ASM International with "INDUSTRY EXCELLENCE AWARD" during 2015. Our Furnace meets NADCAP, AMS 2750, CQI-9 Norms.

Complete furnace plants have been exported to customers in Europe, Africa, the Middle East, and Srilanka. Among our major Indian customers include TVS, APAR, ESAB, besides many large Companies like JSW, ISGEC, BHARAT Forge, Polycab, RPG group, BHEL, We are proud of our Multinational customers - viz JCB, TOSHIBA, and SIEMENS GAMESA, Tata Hitachi, TRL, and so on.

We have manufacturing facilities at 2 locations in Chennai and a committed team of highly experienced professionals. Our state-of-the-art infrastructure spread over 55,000 square feet enables us to handle bulk orders and deliver quality products in time.

Our top-notch manufacturing unit is fully laced with advanced machinery and tools. We have a comprehensive process mechanism to ensure each product is thoroughly tested for quality and performance before leaving our shop floor.

OUR CLIENTS



OUR OVERSEAS CLIENTS



OUR-MISSION

JR FURNACE mission is to achieve a consistent growth rate by maximizing positive customer experience through continuous improvement and innovation of the highest quality thermal processing equipment and services.

At JR FURNACE we are committed to continuously exceeding the expectations of our customers by providing superior engineered products and services. We pursue individual and corporate excellence in all that we do. We deliver quality products and services that add value for our customers.

JRFURNACE strives for corporate and individual excellence and will never compromise on integrity and accountability.

WHY JR. FURNACE



QUALITY STATEMENT

Quality Assurance -

We have a team of highly qualified and experienced quality control managers, who ensure that every step of production from design, drawings, the raw material choice to completion and delivery goes through stringent quality control audit. Care is taken to ensure all parameters of international quality standards are met.

Customer Delight -

We believe in achieving maximum customer satisfaction by providing highest quality products, anytime and every time. Being a company known for our values and quality products, we are committed to please our customers beyond their expectation by offering products with outstanding quality and performance.

With our highly trained and skilled team, we continuously enhance the quality of our products to ensure our customers get maximum value consistently. We have received number of repeat orders from our existing customers, which serve as a tall testimonial to our commitment to customer-focused business practices.

CONTACT US

Industrial Furnaces | Industrial Oven | Furnaces Accessories



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LET US ASSIST YOU WITH ALL YOUR INDUSTRIAL FURNACE NEEDS:

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