



HEATMASTERS®

the wizards of metal

FURNACES FOR HEAT TREATMENT & INDUSTRIAL HEATING PROCESSES

Heatmasters designs and manufactures high-quality, custom-tailored gas and electric heat treatment and industrial furnaces.

Heatmasters has over half a century of experience in designing, manufacturing, maintaining, modernizing, and running heat treatment and industrial furnaces across the globe. Thanks to this strong expertise, our heat treatment furnaces are user-friendly, high-quality, and energy efficient.

We believe in simple solutions, that are always custom-tailored together with each end-user, to ensure that the furnace meets current and future heat treatment requirements and international standards such as ISO 17663.



CONTACT US

www.heatmasters.net
info@heatmasters.net



BENEFITS



Innovative Designs Based On Decades of Experience

Our cutting-edge software and strong expertise in the heat treatment of metals, spanning half a century means our furnaces are user-friendly, durable, and well insulated.



Complete Solutions

Heatmasters delivers flexible solutions, from turn-key projects to cooperative assembly with supervision by Heatmasters. Design plans, individual components and technology is also available. Furnace life-cycle services are provided by our heat treatment experts.



Modern Control Systems

Our modern heat treatment process control software ensures accurate results, safe and efficient operation along with digital documentation of heating processes.



Efficient Electric and Gas Heating Options

Heating for our furnaces is provided by electricity or gas. Each solution is highly optimized to provide evenly distributed, accurate and efficient temperatures.



FURNACE TYPES

Heatmasters delivers heat treatment furnaces according to your specifications.

Common furnace types delivered include:

- Top Hat Furnaces
- Pivot Door Furnaces
- Forced Air Circulation Furnaces
- Chamber Furnaces
- Car Bottom / Bogie Furnaces
- Temporary Heat Treatment Furnaces
- Laboratory Furnaces
- Others

DESIGNED FOR

- Stress Relieving
- Normalizing
- Preheating
- Austenitizing
- Pearliting
- Ferriting
- Softening
- Coating Applications
- Other Heating Processes

RECENT DELIVERIES



Electrical Heat Treatment Furnace - Kazakhstan

Industry: Manufacturing
Operating Temperature: 1100 °C

Dimensions: 19x4x4 m
Loading Capacity: 90 t

Other Features & Comments:

Electrical furnace with 1,6MW heating power. Turn-key project.



Gas Heat Treatment Furnace - Saudi Arabia

Industry: Manufacturing
Operating Temperature: 1000 °C

Dimensions: 15x4x4 m
Loading Capacity: 50 t

Other Features & Comments:

2MW gas-fired heat treatment furnace. Incl. Wagon with automated safety features. Assembly by customer, with supervision from Heatmasters.



Electrical Heat Treatment Furnace - Finland

Industry: Foundry
Operating Temperature: 1100 °C

Dimensions: 2x2x4 m
Loading Capacity: 12 t

Other Features & Comments:

Furnace included 2 fully-automated wagons for efficient loading/unloading. Advanced safety logic included. Turn-key project.



Electrical Heat Treatment Furnace - Hungary

Industry: Manufacturing
Operating Temperature: 600 °C

Dimensions: 8x3x1 m
Loading Capacity: 6 t

Other Features & Comments:

Hydraulic opening cover. 216kW heating power. Turn-key project.



Electrical Heat Treatment Furnace - Finland

Industry: Foundry
Operating Temperature: 1100 °C

Dimensions: 9m (dia)
Loading Capacity: 10 t

Other Features & Comments:

Designed for heat treatment of pressure vessel end caps. 432kW heating power. Turn-key project.



Electrical Heat Treatment Furnaces - Norway

Industry: Off-shore
Operating Temperature: 700 °C

Dimensions: 3x3x3 m
Loading Capacity: 12 t

Other Features & Comments:

Several electrical heat treatment furnaces. Various sizes. Turn-key projects.



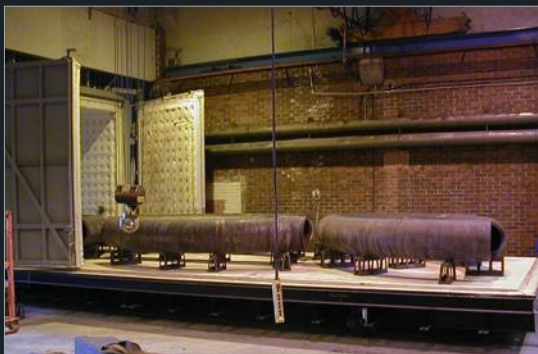
Gas Heat Treatment Furnace - Finland

Industry: Manufacturing
Operating Temperature: 1100 °C

Dimensions: 15x4x4 m
Loading Capacity: 20 t

Other Features & Comments:

2MW gas-fired heat treatment furnace with wagon. Turn-key project.



Electrical Preheating Furnace - Finland

Industry: Manufacturing
Operating Temperature: 300 °C

Dimensions: 3x2x2 m
Loading Capacity: 5 t

Other Features & Comments:
Preheating furnace. Turn-key project.



Electrical Preheating Furnace - Finland

Industry: Off-shore
Operating Temperature: 200 °C

Dimensions: 1x1x0,8 m
Loading Capacity: 1 t

Other Features & Comments:
Preheating furnace for on-site use. Designed to be easy to transport between projects, furnace in use worldwide. Turn-key project.



Electrical Preheating Furnace - Finland

Industry: Manufacturing
Operating Temperature: 250 °C

Dimensions: 3x1x1 m
Loading Capacity: 2 t

Other Features & Comments:
Preheating furnace with pneumatic cover. Turn-key project.



Modular Furnace - Finland

Industry: Manufacturing
Operating Temperature: 700 °C

Dimensions: 14x8x8 m
Loading Capacity: 30 t

Other Features & Comments:

Furnace built with Heatmasters' modular insulated panels, which can also be utilized in construction of temporary furnaces. Turn-key project.



Temporary Furnace - Finland

Industry: Energy, Process
Operating Temperature: 700 °C

Dimensions: 26x8x7 m
Loading Capacity: 40 t

Other Features & Comments:

Temporary furnace set-up outside customer's facility. Multiple heat treatments, services provided by Heatmasters. Turn-key project.



Electrical Annealing Furnace - Finland

Industry: Manufacturing & Machining
Operating Temperature: 650 °C

Dimensions: 2,5x2,5x1,5 m
Loading Capacity: 1,5 t

Other Features & Comments:

Electrical annealing furnace with 2 large doors and cooling hatch. Turn-key project.



FURNACE & EQUIPMENT LIFE CYCLE SERVICES

Heat treatment equipment should work without disruption to avoid downtime and ensure cost-efficient operations. Heatmasters suggests regular servicing, proper maintenance, and a sufficient on-site stock of mission-critical spare parts.

Our Wizards of Metal can provide you with:

- Flexible Maintenance Contracts
- Technical Support & Training
- Calibration Services
- Thermal Imaging
- Temperature Uniformity Measurements
- Remote Diagnostics
- Spare Parts
- Repair Services



Modernization Services

Heatmasters also offers modernization services for any brand of heat treatment equipment and furnaces.

The modernization of heat treatment and industrial furnaces ensures safe and smooth operation whilst increasing production capabilities and efficiency, improving the heat treatment process efficiency and decreasing emissions.

Grasp on to the benefits of modern, innovative technology without purchasing brand new equipment.





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FURNACES

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