



HEATMASTERS®
the wizards of metal



**SETTING THE STANDARD FOR HEAT TREATMENT
SERVICES, MACHINERY, AND EQUIPMENT**



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HEATMASTERS OFFERS COMPREHENSIVE HEAT TREATMENT SERVICES

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HEAT TREATMENT WHEREVER IT IS NEEDED

The skilled professionals at Heatmasters provide you with heat treatment services near you, expertly and cost-effectively. We have the widest offering of heat treatment services in Europe. Our fixed furnaces are located in Finland, Sweden, and Poland. We also offer heat treatment services via portable units that can be used anywhere. Our dealers all over the world ensure that our heat treatment expertise is easily accessible, wherever you may be.

HEAT TREATMENT EQUIPMENT

- ▶ Fixed furnaces
- ▶ Portable units

HEAT TREATMENT CERTIFICATES ATTESTING TO QUALITY

We perform metal heat treatment, and produce the required documentation for these operations, by using a computer based control system that ensures full accuracy and reliability. We apply an ISO 9000 quality management system and perform all heat treatment operations in accordance with the industry's quality standards and job-specific regulations. Each heat treatment task is recorded on a heat treatment certificate – an official document assuring that the job has been performed appropriately.

HEAT TREATMENT SERVICES

- ▶ Carrying out needs assessments for heat treatment and selection of suitable equipment
- ▶ Performing heat treatment operations on site or on Heatmasters premises
- ▶ Reporting on the heat treatment operations performed and issuing heat treatment certificates for the client



THE EUROPEAN MARKET'S WIDEST OFFERING OF HEAT TREATMENT SERVICES

FINLAND

Heatmasters Lämpökäsittely Finland Oy, Lahti

Door to furnaces 4.20 × 4.40 m (W × H)

5.20 × 5.05 m (W × H)

Lifting capacity 32,000 kg

Furnaces

Length (mm)	Width (mm)	Height (mm)	Temperature °C
12,000	4,000	3,200	800
6,000	6,000	2,800	800
5,000	1,850	1,300	1,200
1,000	1,000	800	1,200
3,200	3,200	1,500	1,200
6,000	3,000	2,000	1,200

Heatmasters Lämpökäsittely Finland Oy, Varkaus

Door to furnaces 4.10 × 4.05 m (W × H)

Lifting capacity 45,000 kg

Furnaces

Length (mm)	Width (mm)	Height (mm)	Temperature °C
26,500	2,800	2,000	950
19,500	2,800	2,000	950
14,300	2,800	2,000	950
10,800	2,800	2,000	950
5,200	2,800	2,000	950
2,800	2,800	2,000	1,100
1,200	1,200	1,000	1,100

The Varkaus office has equipment for pressure testing of pipes.

Heatmasters Lämpökäsittely Finland Oy, Turku

Door to furnaces 6.30 × 4.30 m (W × H)

Lifting capacity 16,000 kg

Furnaces

Length (mm)	Width (mm)	Height (mm)	Temperature °C
2,700	2,700	1,500	1,200
1,600	1,600	1,300	800

SWEDEN

Heatmasters Scandinavia AB, Ingela Gathenhielms gata 7

421 30 Västra Frölunda (Gothenburg)

POLAND

Heatmasters Poland Sp. z o.o., Będzin

Door to furnaces 6.00 × 6.00 m (W × H)

Lifting capacity 40,000 kg

Furnaces

Length (mm)	Width (mm)	Height (mm)	Temperature °C
21,000	4,000	3,000	950
16,000	4,000	3,000	950
5,000	4,000	3,000	950
3,600	3,800	1,800	1,160
2,000	1,400	800	1,000
8,000	3,800	1,800	900
6,000	1,500	1,400	850
4,400	2,400	1,200	1,200



LEADING HEAT TREATMENT TECHNOLOGY FROM PORTABLE UNITS TO LARGE FIXED FURNACES

Heatmasters designs and manufactures state-of-the-art technology for heat treatment of metals. The design of the equipment is rooted in our solid expertise and use of modern design software. Our extensive product range includes modern heat treatment furnaces, devices, and automatic systems, along with related accessories. Before selecting the required equipment and systems, we perform a careful heat treatment needs analysis alongside the client.



EQUIPMENT SERVICES

- ▶ Carrying out needs assessment related to heat treatment and selection of suitable equipment
- ▶ Building fixed furnaces on site and tailoring equipment for special applications
- ▶ Completing equipment deliveries, installation, testing, and user training
- ▶ Providing after sales services for all heat treatment equipment



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HM-MCU6_R26 is a fully-automatic six-channel heat treatment controlling unit for preheating and annealing metal workpiece. Setting, control, monitoring and documentation of heat treatment parameters are carried out by the computerized HeatMasters' Control System.

HM-MCU6_R26 provides accurate heat treatment and easy documentation. Mobile control units can be used to control furnaces and transformers also at long distance.



PREHEATING UNITS

Our preheating devices are semi-automatic, thyristor-controlled heat treatment units of transformer type. The units are suitable for on-site preheating of metal parts. They have been designed with usability in mind: their simple and lightweight structure allows ready mobility and ensure efficient preheating at any site.

HM403T

- A semi-automatic three-channel heat treatment unit, 40 kW

HM503T

- A semi-automatic three-channel heat treatment unit, 50 kW

HM506 T

- A semi-automatic six-channel heat treatment unit, 50 kW



ANNEALING DEVICES

Our thyristor-controlled transformer-type heat treatment units for annealing of metal parts have been designed particularly for on-site use. These compact and lightweight devices are easy to move. The annealing devices equipped with an HM-Rigel26 controller enable fast and easy documentation of heat treatment work.

HM403T_R26

- A fully automatic three-channel heat treatment unit, 40 kW

HM406T_R26

- A fully automatic six-channel heat treatment unit, 40 kW

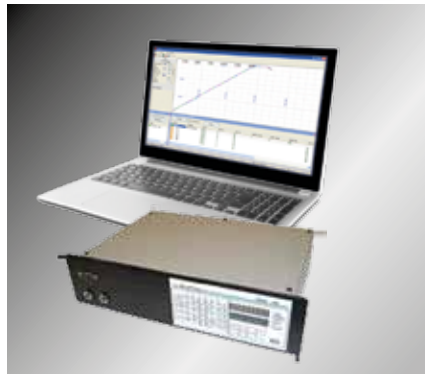
HM506T_R26

- A fully automatic six-channel heat treatment unit, 50 kW



FURNACES

We also supply made-to-order gas or electric furnaces, along with fixed heat treatment equipment constructed on site.



CONTROL SYSTEM

The Heatmasters Control System consists of the HM20 heat treatment process control software and an HM-Rigel26 controller. A computer is needed for transferring the heating instructions to the controller's memory, and for processing and printing the information received from the controller. The system can be set up to operate via a wireless connection (e.g., via a GSM connection). The control system – a unique solution in the heat treatment industry – replaces traditional thermal recorders.



ACCESSORIES

Heatmasters manufactures equipment such as heating elements, tools, and consumables to meet various heat treatment needs.

EXPERT AFTER SALES SERVICES FOR ALL HEAT TREATMENT EQUIPMENT



We make sure that your heat treatment equipment works without disruption. Our maintenance services cover the device's full life cycle, from safe installation to maintenance, spare parts, and the updating of the equipment. Satisfactory results demand expertise in all sectors, and through several years' experience we provide that. We also offer maintenance services for devices from other suppliers.

BENEFITS OF PREVENTIVE MAINTENANCE:

- ▶ The equipment remains as good as new – reliable and safe
- ▶ Equipment breakdowns and downtime for maintenance can be kept to a minimum
- ▶ Agreed work orders are completed on schedule
- ▶ The equipment's service life can be extended



CALIBRATION AND MAINTENANCE SERVICES

Our equipment experts have extensive knowledge of heat treatment technology, techniques for temperature measurement, and process functions. We carry out calibration of heat treatment equipment, maintenance, and training with expertise. Heatmasters makes sure your equipment works without disruption, and we support your work still further by taking care of the checks and calibration required by quality management standards. We record all maintenance measures in our equipment register, providing the foundation of a clear device history.



SPARE PARTS SERVICES

Regular servicing, proper maintenance, and a sufficient on-site stock of the most crucial spare parts together ensure cost-efficient running of the equipment and smooth production. Our spare parts services and technical support are at your disposal throughout the equipment's service life.



UPDATE SERVICES

Our update services cover controllers, electrical switchboards, the mechanical structures of furnaces, and all insulators. This modernisation helps to extend equipment life, improve functionality, and reduce costs. We plan and offer updates for your heat treatment equipment as your needs require.



HEATMASTERS IS THE MOST EXPERIENCED SUPPLIER OF METAL HEAT TREATMENT SERVICES



Nuclear power plants



Refineries



Electricity plants



Industry

Heatmasters has been active in the heat treatment industry for nearly 40 years. We have given the industry new standards of quality and modes of operation and have developed new heat treatment technology that makes the work more efficient. Strong investments in heat treatment process control systems that can be operated via computers and mobile devices have made us a leading supplier in the industry.

CONTACT THE EXPERTS

We help your company invest in the right kind of heat treatment technology, yielding the desired benefits: improved efficiency, better occupational safety, and higher-quality work. We start by analysing the special requirements of the site and the needs of your company.

HEATMASTERS GROUP

In Finland, the company, founded in 1974, has offices in Lahti and Varkaus. A considerable proportion of our operations are handled by our units in Sweden and Poland. We export machinery and devices, such as furnaces and portable heat treatment units and accessories, to more than 20 countries. The main owner of the Heatmasters Group is a Finland-based diversified company, Panostaja Oyj.

Subsidiaries:

- ▶ Heatmasters Lämpökäsittely Finland Oy
- service operations
- ▶ Heatmasters Technology Oy - equipment sales
- ▶ Heatmasters Scandinavia Ab
- ▶ Heatmasters Poland Sp. z o.o.



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FINLAND

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