

HEAT

HEAT TREATMENT

FURNACES

VACUUM

CONTROLLED
ATMOSPHERE
BRAZING

ALUMINIUM PROCESS

ATMOSPHERE



VACUUM FURNACES

SINTERING FURNACE



HIGH VACUUM FURNACE



SINTERHIP FURNACE



BRAZING FURNACE



VACUUM FURNACE 10 bar



VACUUM FURNACES



**RETORT TEMPERING FURNACE,
VACUUM FURNACE 10 bar**



ELEVATOR HEARTH FURNACE



**ULTRA-HIGH VACUUM FURNACE
10⁻⁷ mbar**



**VACUUM CARBURISING FURNACE
WITH GAS QUENCHING**

SAMPLE APPLICATIONS



ALUMINIUM PROCESS

FURNACES

**ROLLER HEARTH ALUMINIUM
SOLUTION HEAT TREATING
AND AGING LINE FOR CASTINGS**



**ROLLER HEARTH ALUMINIUM
SOLUTION HEAT TREATING
FURNACE FOR EXTRUDED
PRODUCTS**



**ALUMINIUM COIL AND FOIL
ANNEALING FURNACES**



LOG HOMOGENIZING FURNACE



**BATCH FURNACES SYSTEM FOR
SOLUTION HEAT TREATMENT
OF WIRE COILS**



CAB CONTROLLED ATMOSPHERE BRAZING

CONVECTION / RADIATION
TYPE CAB FURNACE LINE



RADIATION TYPE CAB
FURNACE LINE

ACTIVE-ONLY®
SEMI-CONTINUOUS CONVECTION
TYPE CAB FURNACE



CONVECTION TYPE
CAB FURNACE

VACUUM PURGE
LABORATORY BATCH TYPE
CAB FURNACE



CuproBraz®
THREE CHAMBER
CONVECTION
BATCH TYPE CAB FURNACE



FLUXER



AFTERBURNER WITH HEAT EXCHANGER



DEGREASER



SCRUBBER

SECO/WARWICK is the exclusive supplier of spare parts, auxiliary equipment and installations based on original CAMLAW Ltd. technical documentation and drawings.



ATMOSPHERE FURNACES



**ROLLER HEARTH FURNACE FOR
SPHEROIDIZING ANNEALING OF
BEARING RINGS**



**LINES FOR HEAT TREATMENT
OF BOLTS AND NUTS**



PUSHER FURNACE LINE



**UNIVERSAL ELECTRICALLY
HEATED, SHUTTLE FURNACE
WITH QUENCH TANK**



**ELECTRICALLY HEATED PIT
FURNACE WITH CONTROLLED
ATMOSPHERE**



**ROTARY DRUM FURNACE FOR
HEATING UP OF STEEL AND BRASS
PARTS IN TEMP. 150-700°C**

WESTERN THERMAL SYSTEMS



Elterma provides manufacturing outsourcing services for a variety of companies based on long-term cooperative agreements. All of the intellectual property rights of customers are protected by non-disclosure agreements. The production specifications are based on the customer's original technical documentation.

We can provide the complete spectrum of services beginning with project engineering and continuing through equipment manufacturing, installation, start-up, spare parts and After-market services. Elterma offers a 20 000m² production plant, well-qualified staff, and over 50-years experience as heat treatment furnace manufacturer to meet strict quality requirements.

Elterma is ISO 9001 certified, and all the equipment is produced according to EU norms as well as Post Soviet Union certifications on request.

SPARE PARTS & AUXILIARY EQUIPMENT

Elterma

*Atmosphere Furnaces
Furnaces Produced by Elterma*

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**ENDOTHERMIC
GENERATOR TYPE ENG**



EXOGENIC GENERATOR

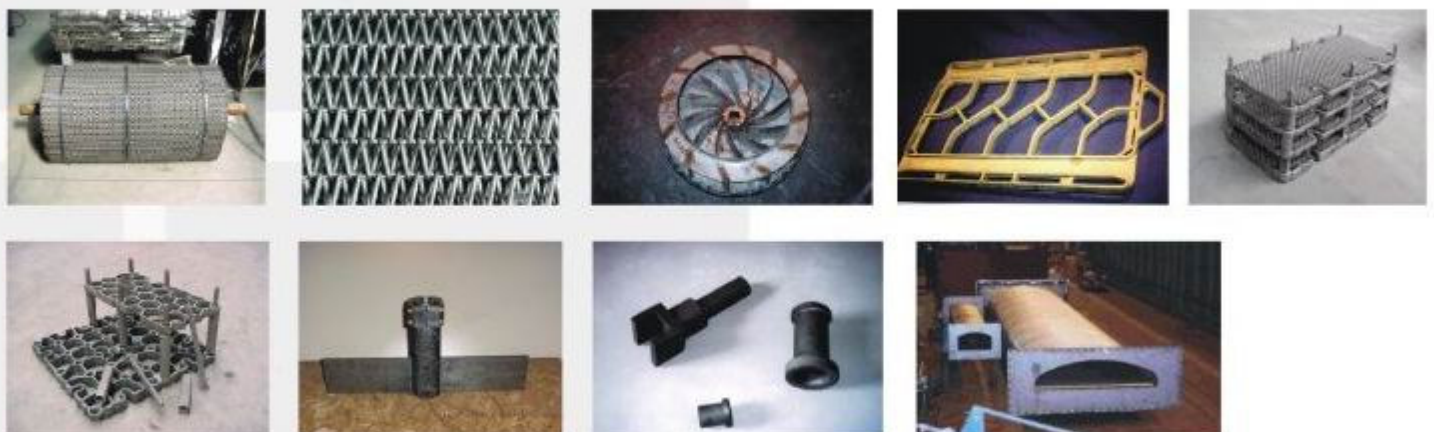


WASHER



*Vacuum Furnaces • CAB/CuproBrazo Furnaces
Aluminium Process Installations • CAMLAW Furnaces
Furnaces Produced by SECO/WARWICK*

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SECO/WARWICK Corporation is one of the world's leading furnace manufacturers, with an impressive record of design and process development breakthroughs in the United States. SECO/WARWICK is your single source for your heat processing needs. Our product teams can design, manufacture and commission complete furnaces systems. We design furnace equipment for both ferrous and non-ferrous metals along with advanced composite materials.

SECO/WARWICK Ltd., Poland was originally established in 1991 to serve the European Community. Today, SECO/WARWICK GROUP POLAND is an acknowledged leader in the design and manufacture of heat treatment furnace systems with equipment installations in 40 countries worldwide. The following product teams provide the highest level of technical expertise for your furnace purchase:

- Vacuum, including standard, High Pressure Quench and Vacuum Carburising Systems
- CAB furnaces and CuproBraz[®] furnace systems
- Aluminium process furnaces for ingot preheat, annealing and homogenizing
- Atmosphere furnaces both standard and custom engineered

Each product team guarantees innovative and unique technical solutions. Meeting every customer's unique requirements with high quality construction and effective designs has attracted such prestigious customers as GENERAL ELECTRIC, PRATT & WHITNEY, ROLLS ROYCE, BOSCH, MOELLER, ABB, MAGNETTI MARELLI, and DAEWOO. Furnaces produced by SECO/WARWICK Ltd. are utilised in over 20 heat treatment sub-contractors in Europe, the USA and Australia. SECO/WARWICK has been ISO 9001 certified since 1999, and operates with a quality management philosophy that ensures the highest quality products.

Our experienced teams of engineers have launched the introduction of a number of design and process innovations, especially in the field of high pressure gas quenching vacuum furnaces, high vacuum furnaces, vacuum carburising equipment and Cuprobraz[®] processes. Our goal is to develop and manufacture state-of-the-art equipment capable of the most demanding thermal and thermo-chemical processes.

SECO/WARWICK GROUP POLAND (Seco/Warwick Ltd. & Elterma S.A.) operates totally 23000 m² of modern manufacturing space, conveniently located in central Europe, fully equipped to manufacture all of our heat processing systems.

SECO/WARWICK GROUP POLAND is focused on providing high quality products with reliable operation and low cost of ownership. We guarantee satisfaction to our clients. To learn more, ask for our individual process brochures, or visit our website at www.secowarwick.com.pl.



**Vacuum, CAB
and Aluminium Process Furnaces**

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**Atmosphere Furnaces
& Western Thermal Systems**

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