

- INDUSTRIAL OVENS
- FURNACES
- HEAT TREATMENT



Step into our world of heat treatment

We offer you industrial ovens and heat treatment equipment, made with high thermal engineering expertise. We have developed our know-how for 45 years, to be able to design for high temperature uniformity, optimized energy consumption and safe use.

Today our client base ranges from industrial giants like ABB, Siemens, Aker Solutions, General Electric and Metso to exciting smaller companies like Koenigsegg and Makani Power. We also develop heating solutions for technical universities and research companies around the world, keeping us in touch with cutting edge R&D in our field. We deliver all over the world with northern Europe as our largest market.

Your place or ours?

Did you know that almost everything needs to be heated during manufacturing or processing?

In our workshop in Gothenburg we offer heat treatment in our own furnace. We can help you with annealing, soft annealing, stress relieving, normalizing, drying and regular heating.

Our mobile technicians work with mobile heating, like pre-heating, post heat treatment, and stress relieving. We can quickly and effectively move technicians and equipment to your site. And easily set up custom made solutions, regardless of type or size of the object.

We make ovens and furnaces for various processes

Annealing Increases the ductility of the material, thus making the workpiece easier to work with. Achieved by changing the physical and chemical properties.

Aluminum Aging Achieves the desired physical properties for the given application. This is done by aging or hardened in an industrial oven.

Aluminum Solution Treatment Increases durability by bringing out the relevant mechanical and physical characteristics.

Baking Required process in the manufacturing of a variety of materials. E.g. heat the material surface to a low temperature, thus removing entrained gases.

Composite Curing The use of coatings to provide a protective or decorative finish of composite materials. Composites are used in industries such as aerospace, automotive and marine.

Curing Provides a protective or decorative finishing. Necessary to set adhesives or epoxy. Curing is a common application in the surface finishing industry.

Drying To extrude liquid is a necessary process for various materials e.g. foundry, paper, powder, wood, sand core drying. Vacuum drying in low temperature can be achieved in a vacuum oven.

Hardening Increases the hardness or strength of steel by heating the steel to hardening temperature, followed by quenching in a suitable cooling media.

Heat treatment A controlled process that changes the microstructure of metals and alloys. This increases the working life of a component through increased strength, temperature resistance, ductility, or surface hardness.

Normalizing Makes an alloy uniform in grain size and composition. It is mainly used on carbon and low-alloyed steels to normalize the structure after forging, hot rolling or casting.

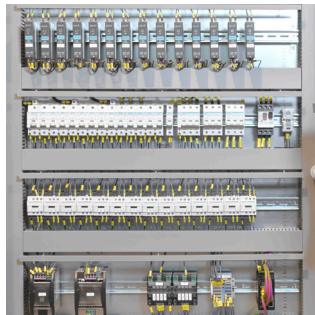
Powder Coating Gives a tougher finish than conventional paint. The surface becomes abrasion resistant and will not crack, chip or peel.

Pre-Heating Often necessary prior to welding in production or at repairs out on the field.

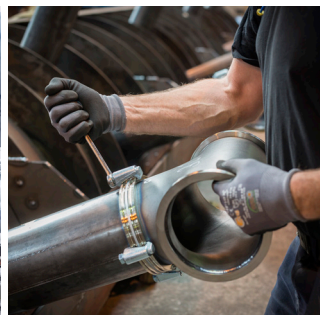
Stress Relieving Relieves stress in metals that are built up in prior production processes. Stress relieving reduces the risk of dimensional changes of the material. Stress relieving does not affect the structure of the material.

Tempering Toughens the material in question, by lessening brittleness and reducing internal stresses.

Thermoforming Makes a plastic sheet fit into the mold by giving it a pliable forming temperature. Then excess plastic can easily be trimmed.



*Both design and
manufacturing are
made in our factory
in Gothenburg.*



Experience breeds innovation

Electro Heat Sweden AB is a family owned company with over 45 years of experience in heat treatment and oven manufacturing. Today it is managed by the first and second generations, giving us extensive experience in oven design and new thinking for innovative technical solutions for the future.

We can customize our furnaces in order to reduce energy consumption, easy handling of hot materials and for other special requirements. All construction and production are made in-house in our workshop in Gothenburg, Sweden.

Contact us today!
We promise you a warm welcome.

Buying, renting or renovating?

Sometimes heat treatment is just needed for a test or for a temporary process. We offer industrial ovens and heat treatment equipment that can be rented for both short term and long term applications.

A furnace can last long time but sometimes it needs a little love. If you are wondering if it is worth renovating or investing in a new furnace we can assist with consultation and leave price suggestion for different alternatives.



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