

Product Overview

Plants and solutions for the heat treatment of steel



FURNACES AND SOLUTIONS FOR THE HEAT TREATMENT



Ring hearth furnace

Perfect combination of proven concepts of rotary hearth and pusher type furnaces with unique advantages for the user.

Case hardening, gas carburizing, quenching in oil bath or with a hardening press.

Chamber furnace

Universal and flexible for small to medium capacities. Hardening, case hardening, carbonitriding, gas carburizing, normalizing, nitriding, nitrocarburizing.



Rotary hearth furnace

Consolidated line in single- or multi-level design. Heating, austenitizing, gas carburizing, carbonitriding, annealing, hardening and tempering; also with post-installed hardening press for quenching with low tendency to distortion.

Pusher type furnace

High capacity with reproducible quality; single- or multi-rail design. Gas carburizing, carbonitriding, oxynitriding, nitrocarburizing, hardening, austempering. Also in combination with high-pressure gas quenching.



Roller hearth furnace

Provided for fully automated production chain. Carbonitriding, nitrocarburizing, annealing, hardening, tempering; also with spring-flooding for hardening in oil or salt bath with low tendency to distortion.

Conveyor belt furnace

For the heat treatment of large loads of bulk material or single parts with cast link belt. Hardening, austempering, carbonitriding, tempering and annealing processes.



T OF STEEL

- Automotive and gear industry
- Heat treatment shops
- Fastener industry
- Bearing and semi-finished product industry



Conveyor belt furnace T

For the heat treatment of large loads of mass produced and precision parts with mesh belt and optional gas-tight muffle. Hardening, austempering, carburizing, nitrocarburizing, tempering, annealing, brazing and sintering processes.



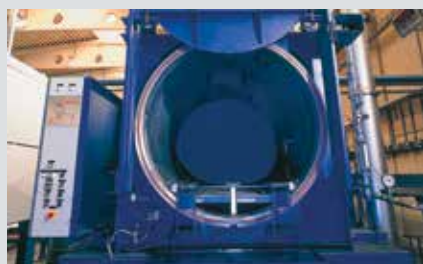
Conveyor belt furnace Bd

With or without protective gas for the heat treatment of small parts. Soft annealing, bright annealing, hardening, brazing, sintering.



Protective gas generators ENDOMAT®

For the production of carrier gas for carburizing and hardening processes. Design with air cooling.



Cleaning Systems

Used for cleaning and drying of parts before and after heat treatment, with aqueous solutions and neutral washing agents. Flexiclean®: Boiling at low pressure and vacuum drying.

heatXpress



A heat treatment plant for heating blanks used primarily in the automotive industry in order to prepare them for press hardening. Direct or indirect process. Also suitable for heating shafts and other steel parts.



Aichelin

industrial furnace solutions

AICHELIN Ges.m.b.H.
Fabriksgasse 3
A-2340 Mödling
Telefon +43 (2236) 236 46 - 0
Telefax +43 (2236) 22 22 9
marketing@aichelin.com

AICHELIN Service GmbH
Schultheiß-Köhle-Str. 7
D-71603 Ludwigsburg
Telefon +49 (7141) 6437 - 0
Telefax +49 (7141) 6437 - 100
info@aichelin.de

www.aichelin.com

Subject to technical changes.
© AICHELIN is registered
trademark.
AWM/Pro1/E/1901