

The company, founded and established in Hilchenbach in the „Erzebach“ valley in 1965, has been producing the most diverse industrial furnaces for the metalworking sectors at the sites in more than 45 years in Hilchenbach and Chemnitz.

We are a modern, efficient industrial enterprise with qualified skilled personnel.

#### Plant Hilchenbach

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Plant Hilchenbach



Plant Chemnitz

## APPLICATIONS

- Free form and mould forging ■ Foundry
- Metal force ■ Hardening
- Annealing and Tempering ■ Rolling Mill Industry

## DELIVERY AND SERVICE PROGRAM

### Industrial Furnaces

- Bogie hearth furnaces ■ Pusher type furnaces ■ Walking beam furnaces ■ Roller hearth furnaces ■ Rotary hearth furnaces
- Top hat furnaces ■ Jack-up hearth furnaces ■ Protective atmosphere furnaces ■ Foundry stoves ■ Pushed-batt kiln
- Multiple-purpose batch and chamber furnaces

### Heating Equipment

- Gas impulse burner with or without single recuperators
- Flat flame burners and regenerative burners
- Jacketed jet pipes for non-direct heating

### Special Plants and Services

- Rapid heating machines for brass, copper, aluminium, iron
- Thermal post-combustion equipment ■ Engineering for furnace process technology ■ Measuring and control units
- Process and system visualization ■ Refractory linings



## FULL COMPETENCE IN ONE HAND

- Planning ■ Development ■ Layout ■ Constructing
- Erecting ■ Starting ■ Maintenance ■ Service

[www.loecher.de](http://www.loecher.de)

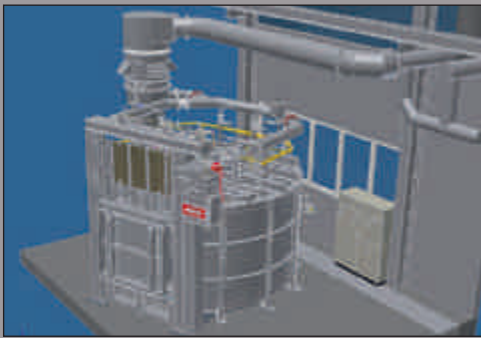
## INDUSTRIAL FURNACES

WORLDWIDE SUCCESSFUL OPERATING



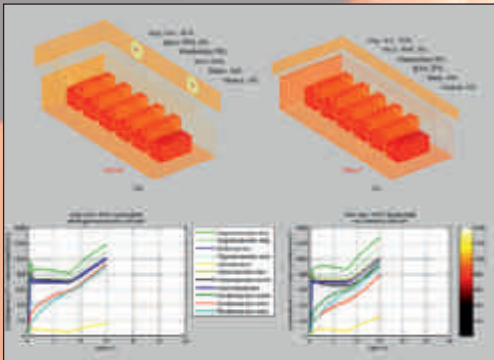
Your competent partner for planning,  
production and commissioning of  
**HEAT TREATMENT PLANTS**



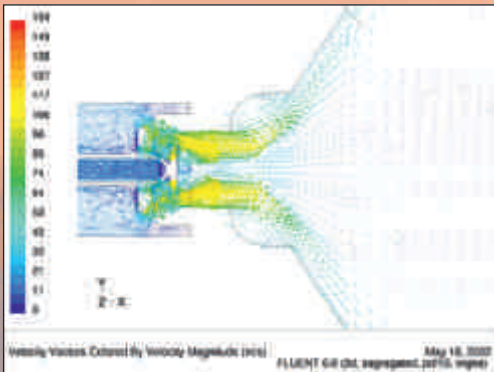


Each industrial furnace is tailored to the customer's requirements.

Work on the drawing board for our customers' new plants is performed with state-of-the-art 3D technology.



Thermotechnical calculations are represented by computer-aided simulation models.



Burners are designed in our own company.



**Bogie hearth annealing and hardening furnace**

Charge weight: 300 t  
 Temperature: up to 1100 °C ± 7.5 °C  
 Useful dimensions: Length: 12 m  
 Width: 5.4 m  
 Height: 4 m



**Bogie hearth annealing and hardening furnace**

Charge weight: 300 t  
 Temperature: up to 1050 °C ± 5 °C  
 Useful dimensions: Length: 24 m  
 Width: 3 m  
 Height: 3 m



**Forging stick furnace**

Charge weight: 60 t  
 Temperature: up to 1250 °C  
 Useful dimensions: Length: 4 m  
 Width: 4 m  
 Height: 1.5 m



**Bogie hearth forging and heat treatment furnace**

Batch weight: 500 t  
 Temperature: up to 1250 °C  
 Useful dimensions: Length: 12 m  
 Width: 7 m  
 Height: 5 m



**Top hat annealing furnace with transfer device** – Charge weight: 60 t  
 Temperature: up to 1060 °C ± 5 °C

Useful dimensions: Length: 6 m  
 Width: 6 m  
 Height: 1.75 m



**Bogie hearth annealing and hardening furnace** – Charge weight: 230 t  
 Temperature: up to 1000 °C ± 7.5 °C

Useful dimensions: Length: 14.5 m  
 Width: 3 m  
 Height: 2.3 m



**Steel bar heating furnace**  
 Temperature: up to 1200 °C

Useful dimensions: Length: 22 m  
 Width: 1.5 m  
 Height: 0.5 m



**Forging stick furnace**  
 Charge weight: 20 t  
 Temperature: up to 1280 °C

Useful dimensions: Length: 5.5 m  
 Width: 3.0 m  
 Height: 1.0 m