DETAILS AT A GLANCE

1. GENERAL VARIANTS:

We offer our heat treatment furnaces for parts made of aluminum in the following versions for your individual choice:

- Roller-hearth type furnaces
- Conveyor - chain type furnaces
- Conveyor - belt type furnaces
- Pusher type furnaces
- Rotary - hearth type furnaces
- Box type furnaces

2. CAPACITY RANGE:

- Throughput - capacity: 100– 6.000 kg/h
- We'll be pleased to offer according to your specific needs

3. APPLICABLE PROCESSES:

- Heat-up for hot forming
- Homogenize annealing
- Solution annealing
- Artificial aging

4. RANGE OF COMPONENTS:

- Automotive – aluminum-fasteners & rivets
- Automotive – engine components
  - · Cylinder heads
  - · Engine blocks
  - · Crankshaft housing
- Automotive – body- and structural components
- Automotive – wheel rims
- Parts for aerospace industry
- Miscellaneous profiles and parts

5. AVAILABLE SOURCES FOR HEATING:

- Gas radiant tube heating (various radiant tube designs available)
- Direct gas heating
  - · w/ state of the art recuperative, energy efficient burners
- Electric heating

6. ACCESSORIES AND COMPANION EQUIPMENT

- Automated loading and unloading systems w/ robots
  Quenching systems utilizing the following media: Polymer, water, air
- Trays and fixtures, prepared for loading & unloading by robots
- Air (post) cooling equipment
- Integration of quality inspection-, straightening - and data-matrix coding systems
- Control cabinets and automation systems w/ fail-safe PLC
- Heat treatment report in conformity with CQI-9 und VDA requirements

The photos on the front page show 2 automated T6 roller-hearth furnace lines for solution annealing, water or air quench and artificial aging of automotive -components

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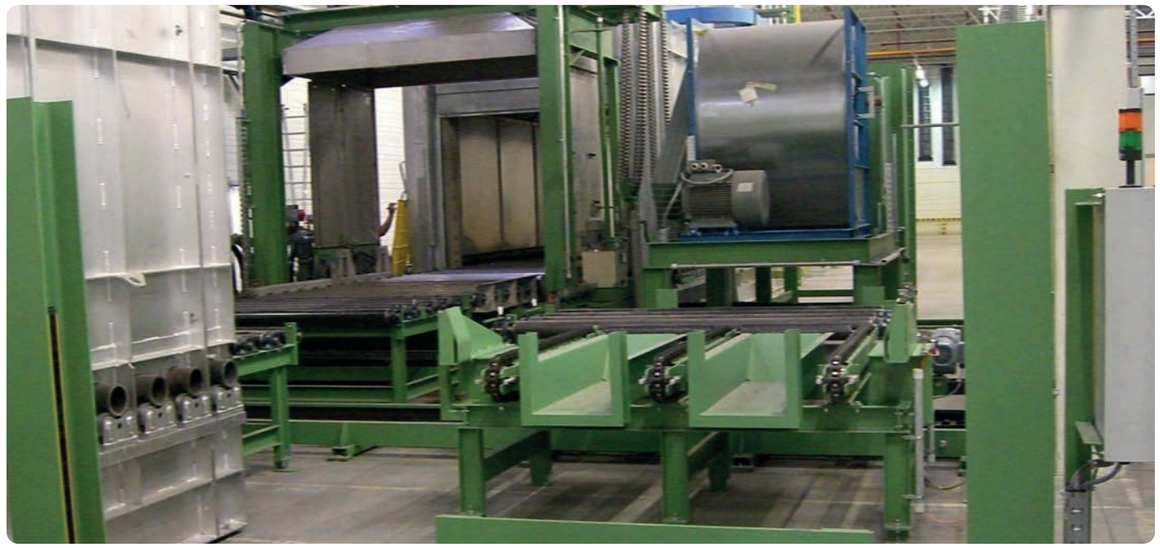
PFS Anlagenbau

Industrial furnaces · Special plants · Retrofit · Service
formerly SRS Industrieofenbau

Heat Treatment Lines for Aluminum



T6–Lines w/ water- and air quench



INDUSTRIAL FURNACES
Roller hearth furnaces
Gas carburizing plants
Chamber and rotary hearth furnaces
Pusher and continuous furnaces

PERIPHERALS & HANDLING
Quenching baths / air quenching
Charging systems / charging equipment
Handling systems / robots
Coil inner welding machines

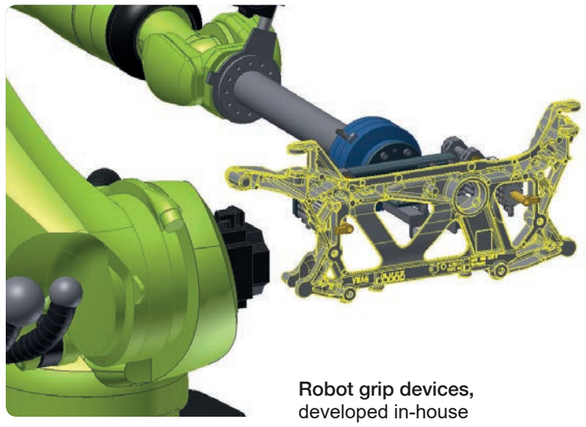
RETROFIT & SERVICE
Conversion and modernisation of plants
Automation and control systems
Installation, maintenance, spare parts
Certified to DIN EN ISO 9001 · CQI-9

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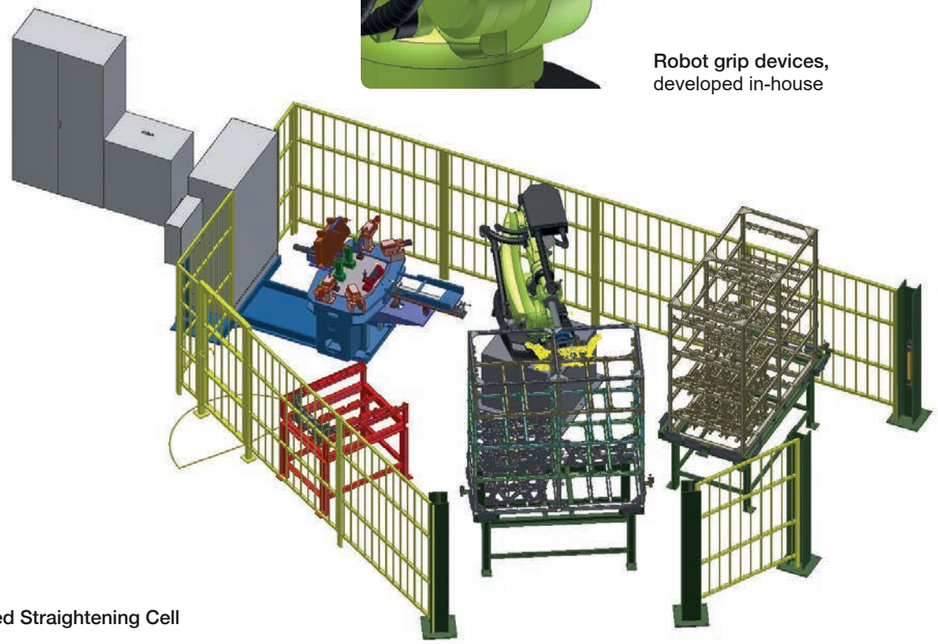
Automated Parts Handling by Robots



Photo above:
Rack, loaded by robots



Robot grip devices,
developed in-house

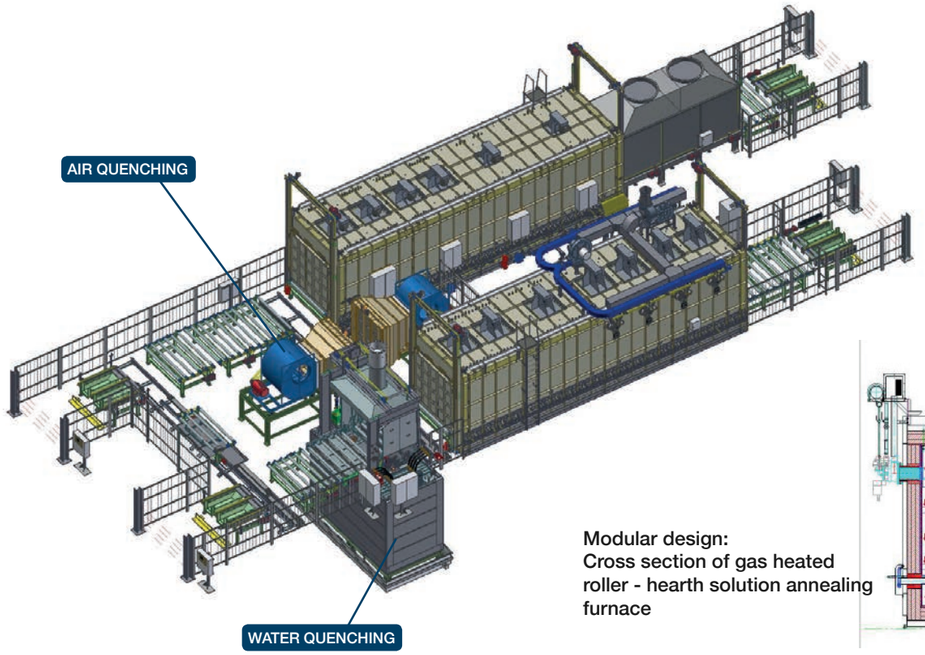


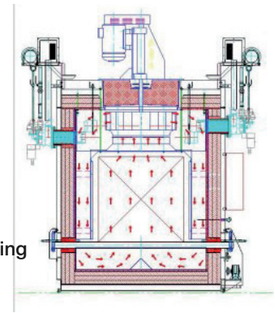
Automated Straightening Cell

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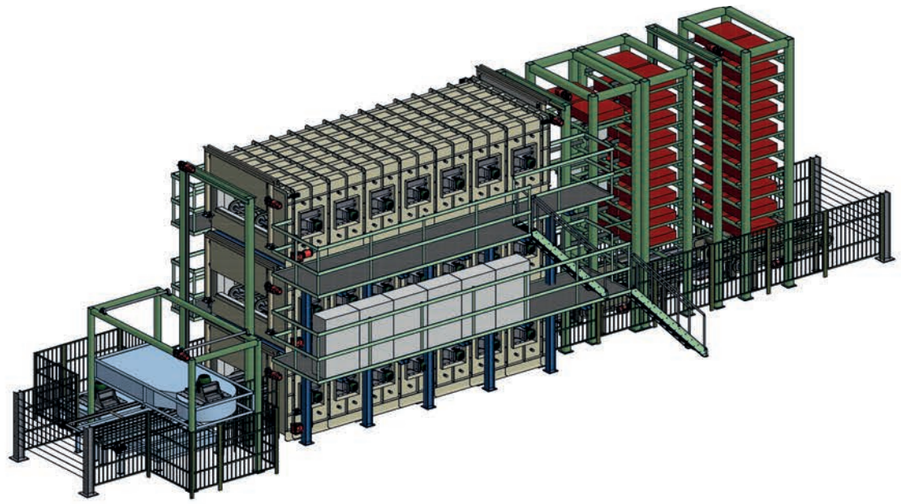
T6 - Roller-hearth furnace line for engine - and suspension parts





Modular design:
Cross section of gas heated roller - hearth solution annealing furnace

T6 – Conveyor chain type furnace line for bumper housings



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