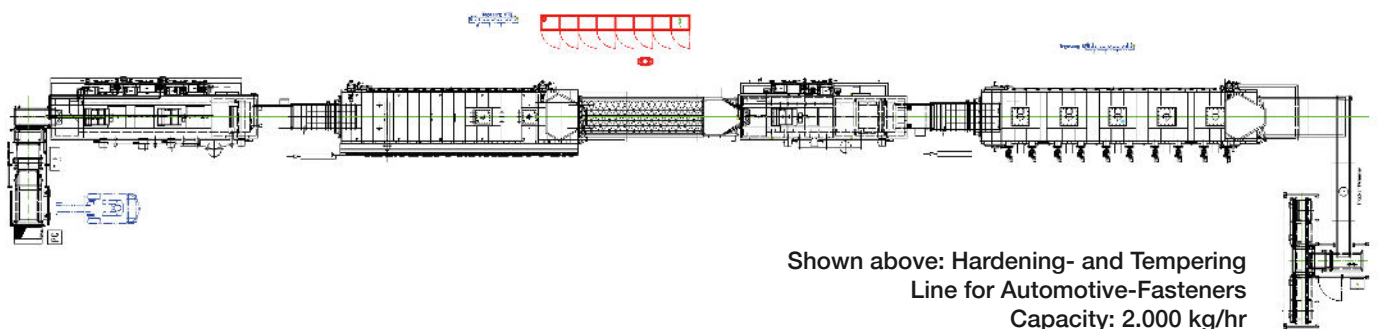
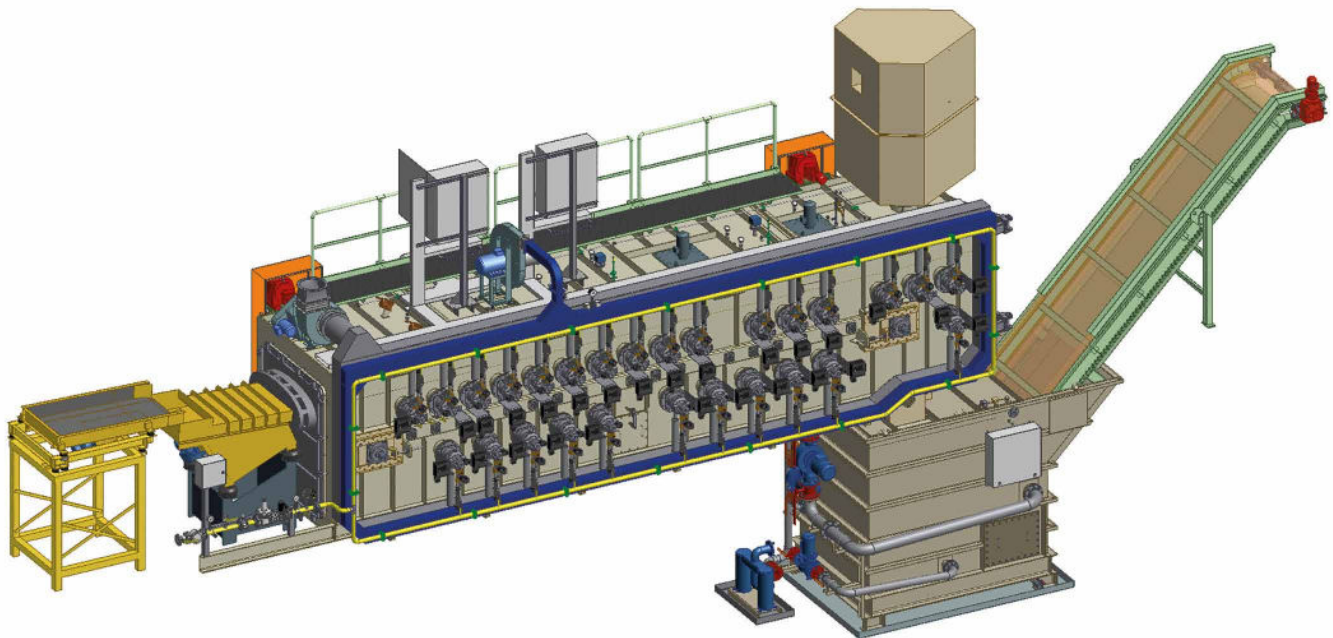
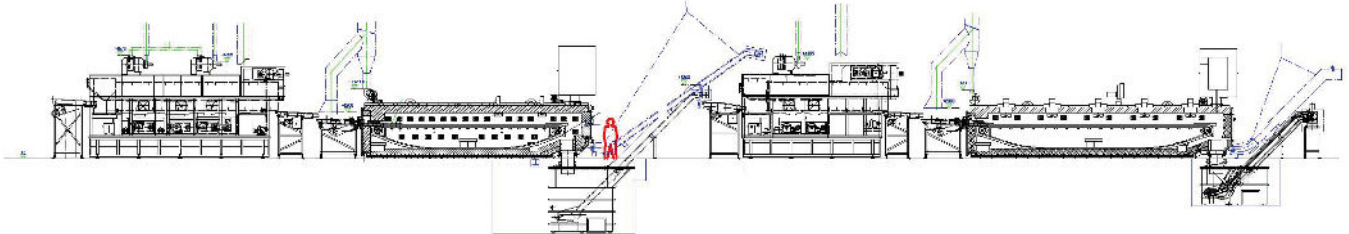


Cast Link Belt Type Furnaces



- reeler hearth furnace plants
- roller hearth furnace plants
- gas carburizing plants
- chamber furnaces
- rotary hearth furnaces

- quenching baths / air quenching
- charging devices / means of transports
- handling technics / robots
- inner welding coil machines
- rebuildings, modernization of old plants

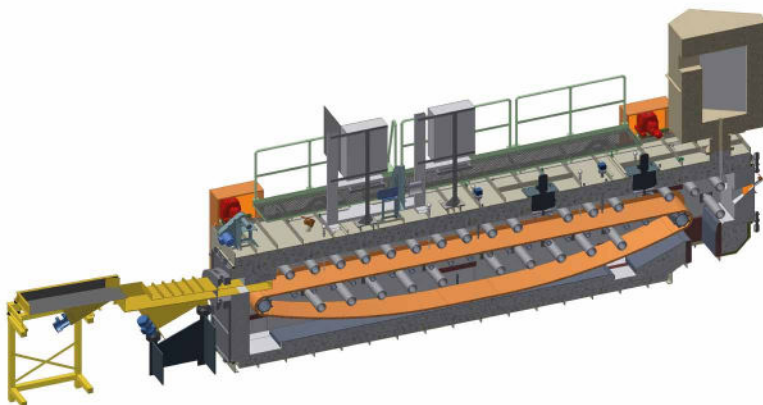
- automation and switching systems
- specialized staff for installation, maintenance and repair
- certificated :
DIN EN ISO 9001:2008

Equipment Details:



Automatic Loading with
Container Lifting and Tilting Device

Rotary Screw Drum Type De –
Phosphating and Pre-Washing Machine,
loaded via Vibratory Feeder

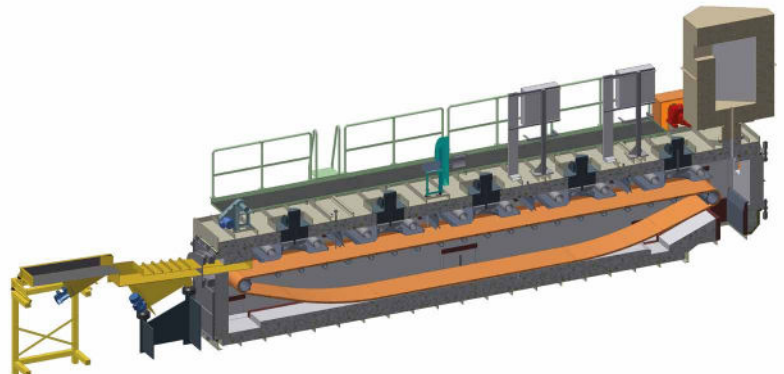


HARDENING FURNACE 950°C – 2.000 KG/HR – WITH:

- Gas Radiant Tube Heating
- Vibratory Feeder Loading
- Integrated Endothermic Gas Generator
- Synchronized Dual Drum Drive System
- Cast Link Belt Type Conveyor
- supported by Centrifugal Cast Type Rollers
w/ Roller Bearings
- Maintenance Platform on Top of Furnace

TEMPERING FURNACE 750°C – 2.000 KG/H – WITH:

- Gas Radiant Tube Heating
- Vibratory Feeder Loading
- Integrated Endothermic Gas Generator
- High Convective Atmosphere Circulation Fans
- Cast Link Belt Type Conveyor
- supported by Centrifugal Cast Type
Rollers w/ Roller Bearings
- Maintenance Platform on Top of Furnace



- reeler hearth furnace plants
- roller hearth furnace plants
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- quenching baths / air quenching
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- automation and switching systems
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maintenance and repair
- certificated :
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Hardening Furnace w/ Gas Radiant Tube Heating and Energy Efficient Recuperative Burners



Hardening Furnace w/ Rear Maintenance Door Assembly next to Quench Chute

Inside Furnace Details:



Assembled Drive Drum and Support Rollers



Assembled Cast Link Conveyor

- reeler hearth furnace plants
- roller hearth furnace plants
- gas carburizing plants
- chamber furnaces
- rotary hearth furnaces

- quenching baths / air quenching
- charging devices / means of transports
- handling technics / robots
- inner welding coil machines
- rebuildings, modernization of old plants

- automation and switching systems
- specialized staff for installation, maintenance and repair
- certificated :
DIN EN ISO 9001:2008

DETAILS AT A GLANCE

1. GENERAL VARIANTS:

We offer our cast link belt conveyor type furnaces in two distinctive categories to serve the various needs:

- with protective atmosphere and radiant tube type heating systems
- without protective atmosphere, w/ direct heating systems

2. CAPACITY RANGE:

- Throughput-capacity: from 500 to 2.500 kg/hr
- We'll be pleased to offer according to your specific needs

3. APPLICABLE PROCESSES:

- Tempering
- Austenitization
- Carbonitriding
- Gas-Carburizing (restrictions apply)
- Hardening
- Isothermal Annealing
- Normalizing

4. RANGE OF COMPONENTS:

- Automotive-Fasteners (bolts and nuts)
- Forged Components
- Roller Bearing Components
- Miscellaneous Parts (that allow bulk loading)

5. AVAILABLE SOURCES FOR HEATING:

- Gas Radiant Tube Heating (various radiant tube designs available)
- w/ state of the art Recuperative, Energy Efficient Burners
- Electric-Radiant Tube Heating
- Direct Gas Heating
- Direct Electric Heating

6. CHOICE OF PROTECTIVE ATMOSPHERES

- Endothermic Gas (via integrated Endothermic Gas Generator)
- Nitrogen – Methanol (via integrated Methanol Cracker)
- Nitrogen
- Nitrogen – Endothermic Gas mix
- Nitrogen – Hydrogen mix

7. ACCESSORIES AND COMPANION EQUIPMENT

- Automated Loading Equipment w/ Mass Flow Controls
- Pre- and Post-Washers w/ Rotary Screw Type Drum or Wire Mesh Belt Conveyor or Centrifugal Type Drum Washers
- Quenching Units for available media: Oil, Polymer, Water
- Air Cooling Systems
- Automated Unloading Equipment w/ Weight Controlled Container Refill
- Control Cabinets and Automation Systems with Fail-Safe PLC
- Heat Treatment Report in Conformity with CQI-9 and VDA Requirements