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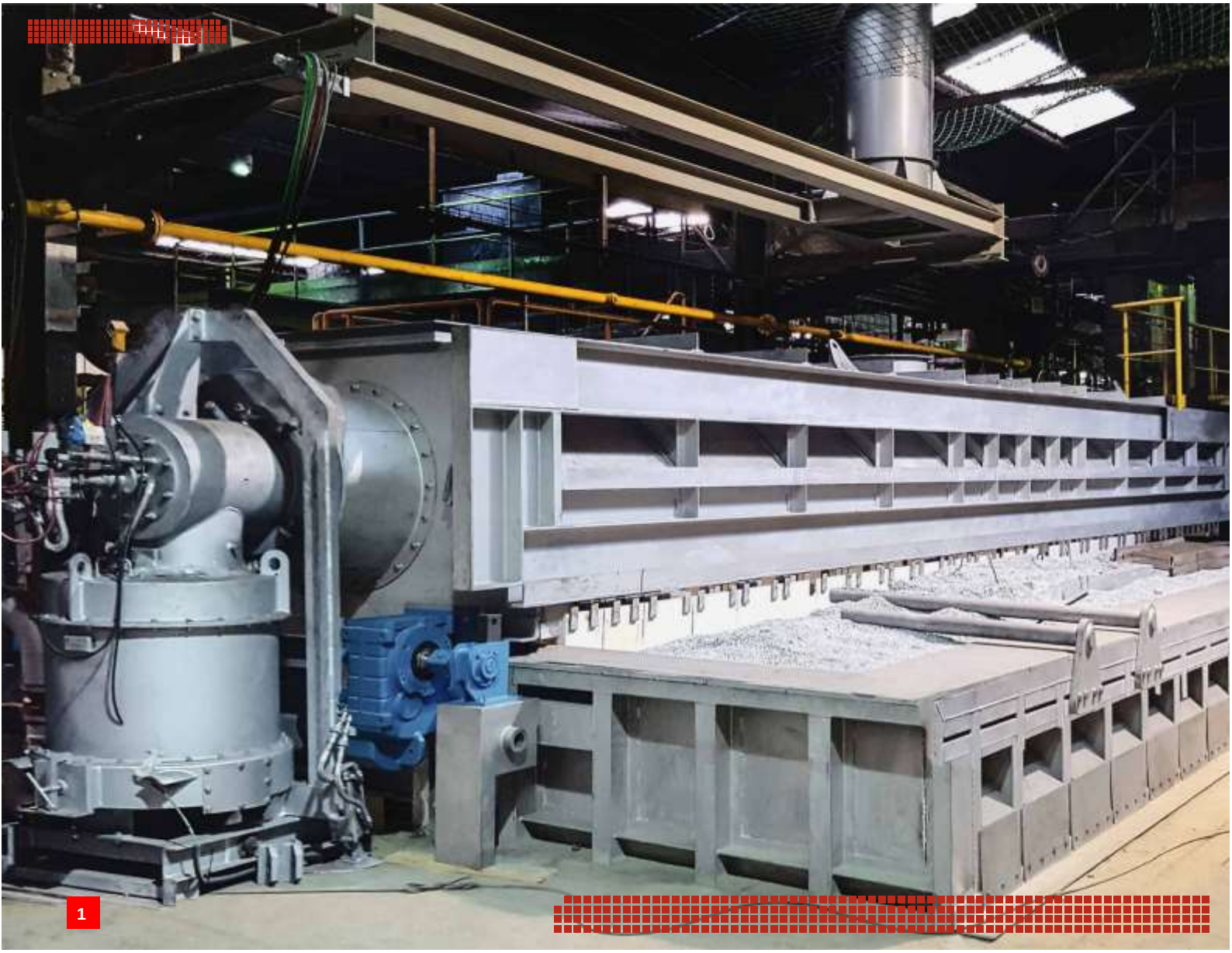
Galvanizing Furnace



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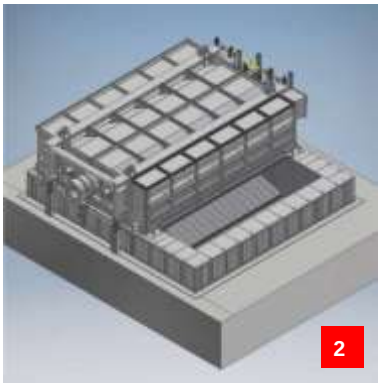
Ceramic Furnace

- High efficiency
- Long service life
- Low operating costs

Walter Körner Know-How by Jasper GmbH

Galvanizing Furnace

Ceramic Furnace



1. Ceramic galvanizing furnace
2. 3D model of Ceramic galvanizing furnace
3. Ceramic zinc bath

Application

Ceramic furnaces are used with zinc bath temperatures of up to 620 °C. The ceramic kettle ensures an almost unlimited service life without interruption.

Durability

Long-term damage to the kettle by diffusing zinc is prevented by special shaped bricks. These are installed in such a way as to create a system of cool air channels.

A sheet metal clad sectional steel construction protects the masonry by absorbing the hydrostatic pressure of the liquid zinc and also protects the ceramic material (bricks) from cracking.

Heating

The heat energy is supplied to the zinc bath either by means of a heating hood through the bath surface or via direct contact to the hot zinc with immersion burners.

Technical Specifications (Example)	
Dimensions	Length: 6.300 mm Width: 6.700 mm Depth: 1.500 mm below 0, 2.500 mm above ground)
Process-parameters	Operating weight: ca. 5.000 kg/h Temperature: 450 °C – 620 °C
Heating	Natural gas or oil
Consumption	Natural gas: 125 Nm³/h at full load (at 560 °C)

An overview of our industrial furnace products (zinc):

- Centrifuge
- Drying Furnace
- Galvanizing Furnace/Ceramic Furnace
- Galvanizing Furnace/Steel Kettle Furnace
- Zinc Dross Grap
- Lead Burning Bath
- Water Quenching Bath
- Wiping Systems
- Zerberus© / Automatic Galvanizing Machine
- Zinc Dross Distilling Furnace

Walter Körner Know-How, combined with the quality and experience of Jasper GmbH in thermal process technology.

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