

Galvanizing Furnace



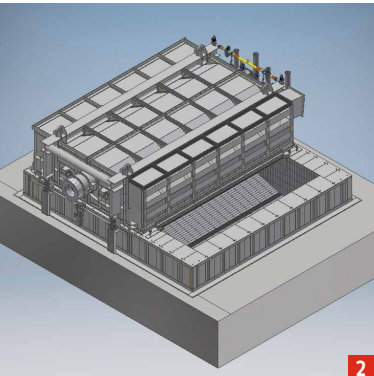
Ceramic Furnace

- ➔ High efficiency
- ➔ Long service life
- ➔ Low operating costs

 **ZK Know-How**
by Jasper GmbH

Galvanizing Furnace

Ceramic Furnace



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- 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 0
Process parameters	⤴	Operating weight: ca. 5,000 kg/h Temperature: 450 °C - 620 °C
Heating	≡	Natural gas, oil or electric heating
Consumption	💧	Gas: 125 Nm ³ /h at full load (bei 560°C)

An overview of our industrial furnace products (zinc):

- Wiping Systems
- Lead Burning Bath
- Zinc Dross Distilling Furnace
- Drying Furnace
- **Galvanizing Furnace/Ceramic Furnace**
- Galvanizing Furnace/Steel Kettle Furnace
- Zerberus®/Automatic Galvanizing Machine

Walter Körner Know-How combined with the quality and experience of the Jasper GmbH in industrial furnace construction.

