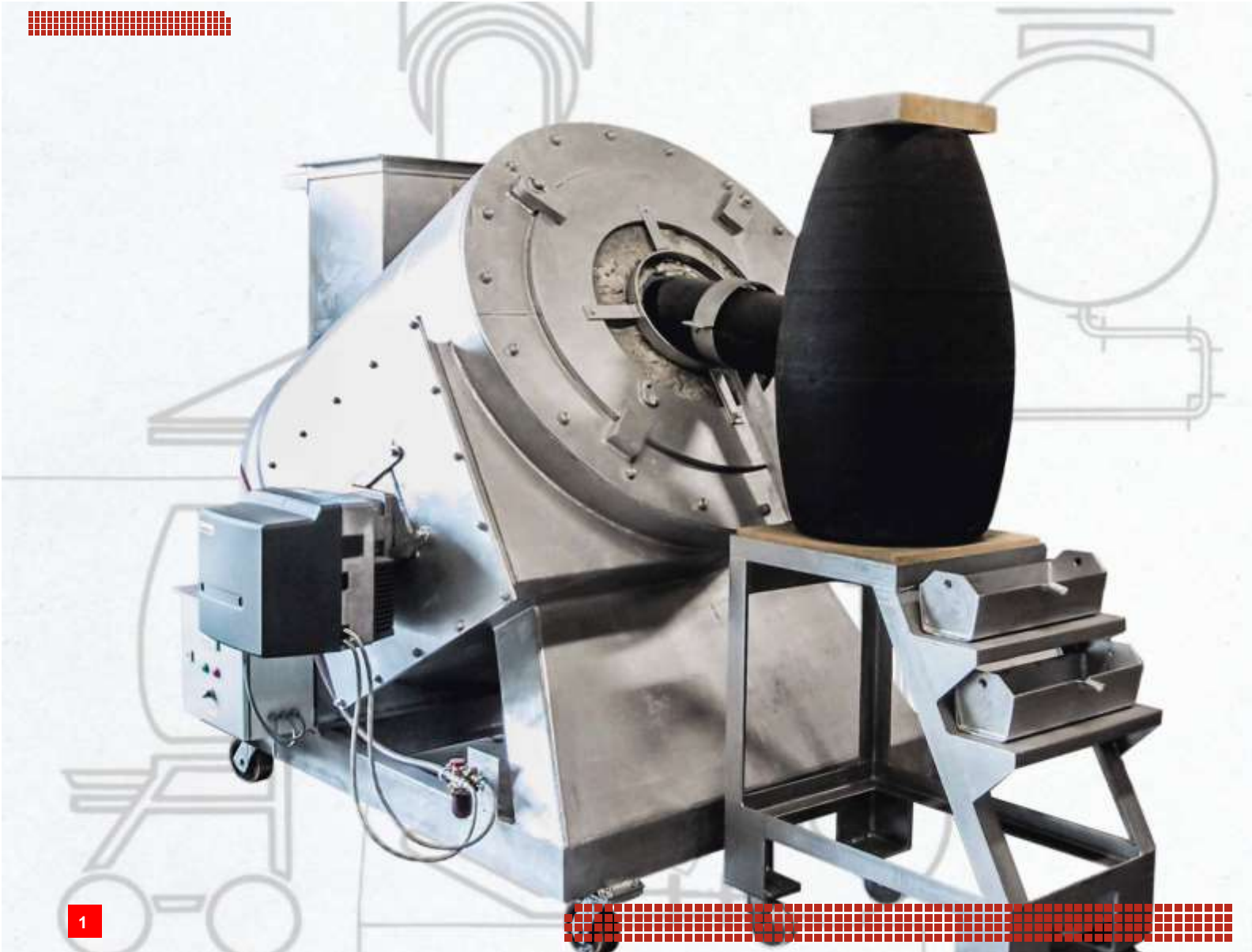


## Zinc Dross Distilling Furnace



### Optimal Zinc Recovery

- Improved quality
- Up to 88% recycling rate
- For natural gas or oil firing

Walter Körner Know-How by Jasper GmbH



# Zinc Dross Distilling Furnace

## Optimal Zinc Recovery

### Application

Every galvanizing plant produces dross. Molten zinc dissolves iron, for example, from workpieces that are hot-dip galvanized, from the wall of the galvanizing kettle or from flux. It must be regularly removed out of the zinc bath.

### Process

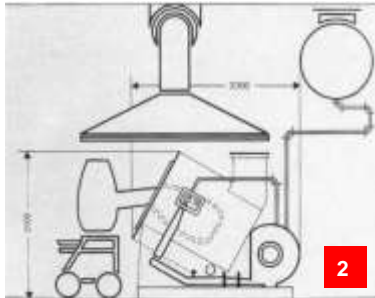
The zinc dross distilling furnace recovers 85-88% of the zinc bound in the dross with a purity of 99.9%. The furnace brings the zinc dross to evaporation temperature. The zinc is then condensed in the retort outside the furnace.

### Benefits

- ➔ Improved quality, the galvanized surface is free of zinc dross spots
- ➔ Permanently optimum immersion depth in the galvanizing kettle
- ➔ Long kettle service life without overheating the kettle wall
- ➔ Excellent economy, especially with high zinc prices
- ➔ Environmental protection through recycling

Technical Specifications (Example)	
Dimensions	Length: 3.535 mm Width: 1.675 mm Depth: 2.040 mm (partly below ground)
Prozess-Parameter	Operating weight: ca. 450 kg/charge Daily capacity: ca. 1.000 kg/h Temperature: > 918 °C
Heating	Natural gas/oil
Consumption	Natural gas: 80 Nm <sup>3</sup> /charge Electricity: 30 kWh/charge

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



2



3

1. Zinc dross distilling furnace
2. Schematic diagram
3. Furnace chamber

#### 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**

