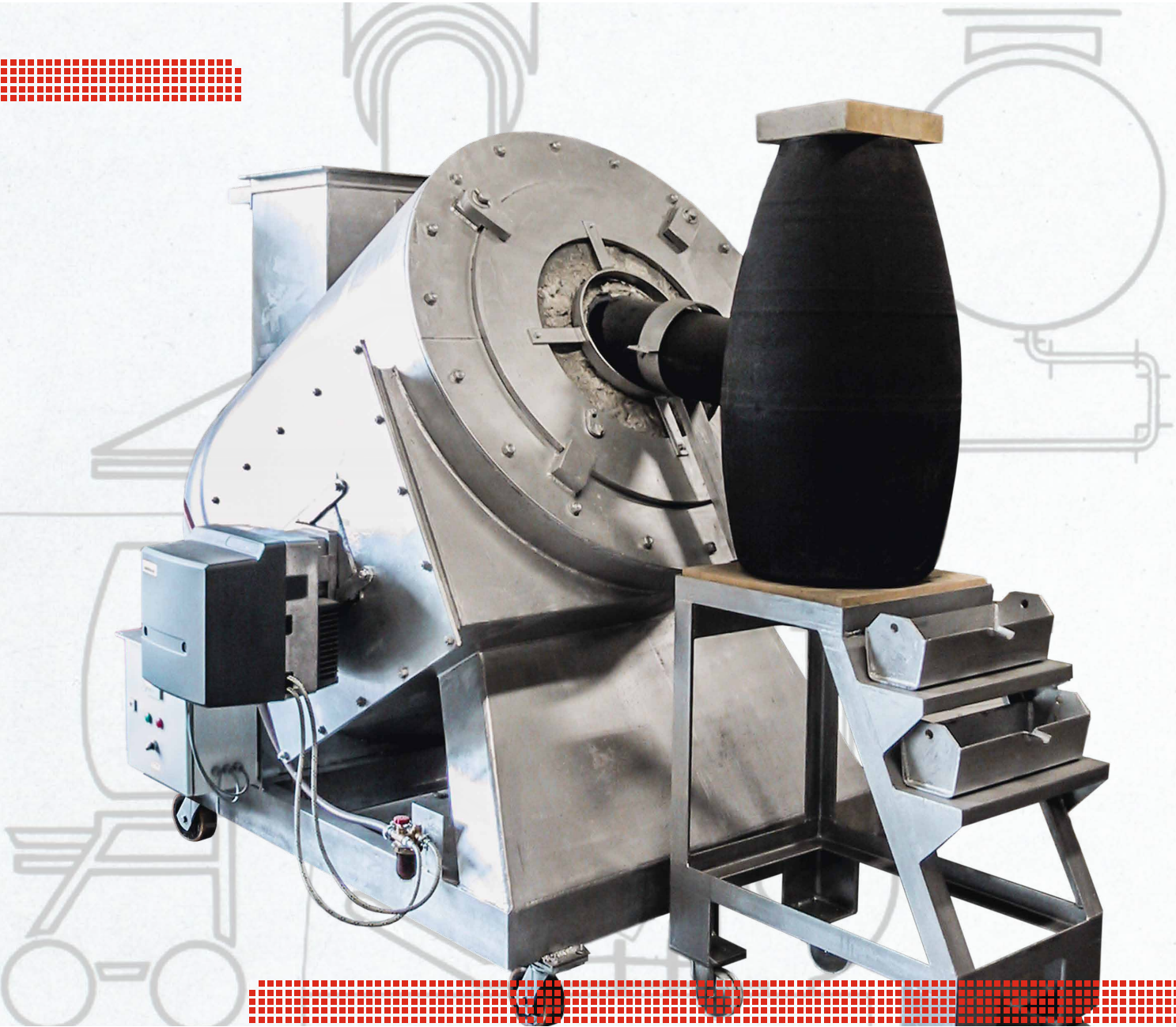


# Zinc Dross Distilling Furnace



## Optimal Zinc Recovery

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

 **ZK Know-How**  
by Jasper GmbH

# Zinc Dross Distilling Furnace

## Optimal Zinc Recovery

### Application

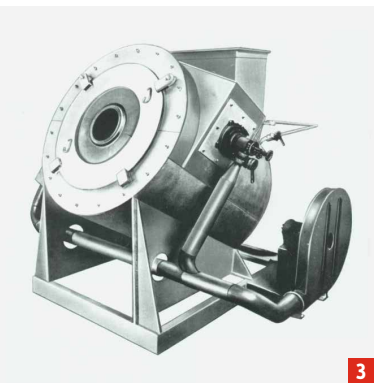
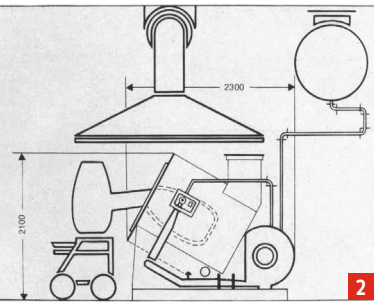
Every galvanizing plant produces dross. Molten zinc dissolves iron, for example, from workpieces that are hot-dip galvanized, from the wall of the galvanizing kettle or from flux. It must be regularly removed out of the zinc bath.

### Process

The zinc dross distillation 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



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

### Technical Specifications

<b>Dimensions</b>	↔	Length: 3,535 mm Width: 1,675 mm Depth: 2,040 mm
<b>Process parameters</b>	📈	Operating weight: ca. 450 kg/charge Daily capacity: ca. 1,000 kg Temperature: > 918 °C
<b>Heating</b>	🔥	Natural gas or oil
<b>Consumption</b>	💧	Natural gas: 80 Nm <sup>3</sup> /charge Electricity: 30 kWh/charge

### 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

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

