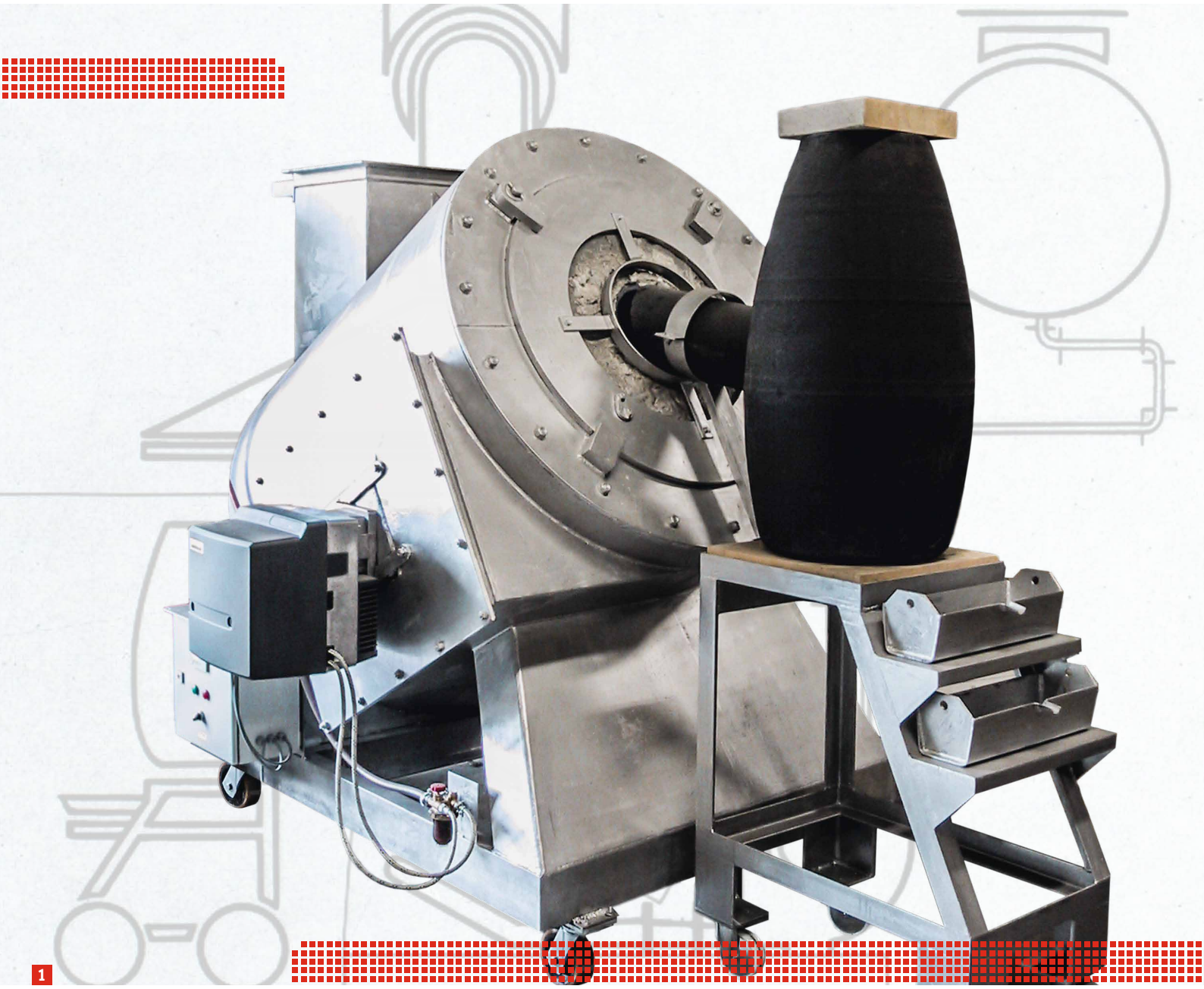
Jasper. Industrial furnace engineering. Independent. Worldwide.

Zinc Dross Distilling Furnace



1

Optimal Zinc Recovery

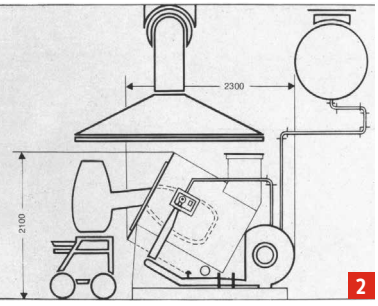
- Improved quality
- Up to 88% recycling rate
- For natural gas or oil firing

WK Know-How
by Jasper GmbH

JASPER

Zinc Dross Distilling Furnace

Optimal Zinc Recovery



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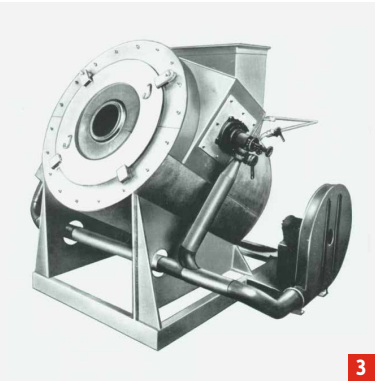
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1 Zinc dross distilling furnace
2 Schematic diagram
3 Furnace chamber

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

Technical Specifications	
Dimensions	Length: 3,535 mm Width: 1,675 mm Depth: 2,040 mm
Process parameters	Operating weight: ca. 450 kg/charge Daily capacity: ca. 1,000 kg Temperature: > 918 °C
Heating	Natural gas *or* oil
Consumption	Natural gas: 80 Nm³/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

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

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