

Zerberus[®]



1

Zinc Coating of Small Parts

- High degree of automation
- High level of occupational safety
- Low operating costs

Walter Körner Know-How by Jasper GmbH



Zerberus[®]

Zinc Coating of Small Parts

Application

The machine economically coats small parts and bulk materials in large quantities. It guarantees an even thickness of the zinc layer and reduces the costs of material, energy and rework at the same time.

High Throughput

With a powerful furnace and fast, automatic handling of the baskets and racks, the system achieves a throughput of up to 5t (!) per hour. At its heart is a handling system with three arms, which automatically carries out all operations between filling and emptying the baskets. Baskets and racks are picked up, immersed in the zinc bath, centrifuged and transported to the water bath for quenching. No manual intervention is required during the entire process.

Gentle Galvanizing

With bolts, the gentle handling avoids damage, so that threads do not have to be rewound. There is no need for time-consuming reworking, which previously entailed a considerable cost burden.

Efficiency

The regenerative or recuperative burner system reduces energy consumption by up to 30 percent compared to other systems. Since the burners are never operated with excess air, up to 70 percent less zinc ash is produced. This significantly reduces material consumption and the cost of ash removal.

In addition, the galvanized parts are free of impurities because the surface of the zinc bath is automatically cleaned of zinc ash before the basket is immersed and after boiling.



1. Zerberus[®] automatic galvanizing machine
2. 3D-system layout

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.

