

ORACLE AZ-SB SYSTEM

ACID-ZINC CHLORIDE RACK & BARREL PLATING

General Metal Finishing

Acid-Zinc Electroplating

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Advanced High Temperature Zinc Electroplating with Super Bright Oracle AZ-SB Brightener

Krome Innovation and Development in the World of Zinc Electroplating

High
Temperature
Stability

Ammonia
Free

Zinc Electroplating allows the coating of metals with a zinc layer to protect the bare metals from corrosion or rust. However, at high temperatures, acid-zinc systems tend to oil-out, burn at the high current density areas and effect the brittleness of the parts to be plated. The ORACLE AZ-SB SOLUTIONS are temperature stable allowing for 9A/dm² when run at 50°C without compromising the quality and standard of the work. Oracle AZ-SB System allows a customer to process higher outputs of an existing system over a range of temperatures.

Advanced High Temperature Zinc Electroplating with Super Bright Oracle AZ-SB Brightener



High
Current
Efficiency

Ultra-Bright
Levelled
Zinc Deposit

Process Properties and Applications

Oracle AZ-SB System is designed to deposit ultra-bright, levelled zinc onto a wide range of steel and iron metallic substrates, including hardened steels and cast irons. The system has extremely high tolerance to iron contamination, reducing the treatment intervals.

Deposit Properties

Oracle AZ-SB System current efficiency of 95-98% with rack plating rate of deposition of 1um in 2min at 2A/dm² and barrel plating rate of deposition of 15um in 60min at 1A/dm².

FEATURES AND BENEFITS

- Operate at a wider range of temperatures
 - Highly stable at high temperatures
- High efficiency with greater plating speed
- Highly bright decorative finish with bright blue Trivalent colouring with our Trikoat BL-10 Passivate
 - Boric-acid free process
 - Low operational costs
- Excellent uniform deposition and coverage with good deposit ductility

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