



Alkaline & acid  
zinc-nickel coatings  
for highest standards

**BEAUTIFUL  
ZINC/NICKEL SURFACES**

**OPAL & JADE**



**KIESOW  
DR. BRINKMANN**

# ZINC-NICKEL

Our processes are convincing due to very good covering power with a homogeneous nickel incorporation rate of 12 - 15 % within the whole current density range.

The zinc-nickel layers can be provided unproblematically with transparent, blue and black passivation.



# OPAL - ALKALINE ZINC-NICKEL

## OPAL 5000

- » Optimal for barrel use
- » Outstanding throwing power
- » Impressive efficiency
- » Robust and resistant
- » Low brightener consumption
- » Simple and operationally reliable handling

## OPAL 7000

- » Optimal for rack application
- » Proper metal distribution even in the case of demanding components
- » High burning resistance
- » Light and appealing deposits
- » Bright and matt mode of operation possible
- » Good deformability

# JADE - ACID ZINC-NICKEL

## JADE 1000

- » For barrel and rack application
- » Good seeding on cast metal and hardened materials
- » Homogeneous nickel incorporation distribution in a wide current density range
- » Very good throwing and covering power
- » High and stable clouding point
- » Low foaming with air agitation
- » Ammonium-free system

