

# ELECTROLESS NICKEL PLATING

## WEAR AND CORROSION PROTECTION

Electroless nickel plating is a chemical coating consisting of a nickel-phosphorus alloy with excellent wear, abrasion and corrosion properties.

The coatings produced are non-magnetic and easily solderable. They achieve a hardness of 500 - 550 HV, which can be increased up to 1000 HV by an optional subsequent heat treatment.



## ADVANTAGES

- Very high level of corrosion protection
- Layer hardness up to 550 HV, hardened up to 1000 HV
- Even and precise coating distribution
- Dimensionally stable coating +/- 2µm
- Very high chemical resistance
- High abrasion and wear resistance
- Solderability
- Produces non-magnetic layers
- Blei- und cadmiumfrei
- Lead and cadmium-free layer structure
- RoHS-conform

## APPLICATIONS

The electroless nickel process is widely used for complex parts and high dimensional accuracy requirements:

- Mechanical engineering
- Food industry
- Electrical engineering
- Medical technology

Maximum component sizes: 1400 x 560 x 800 mm