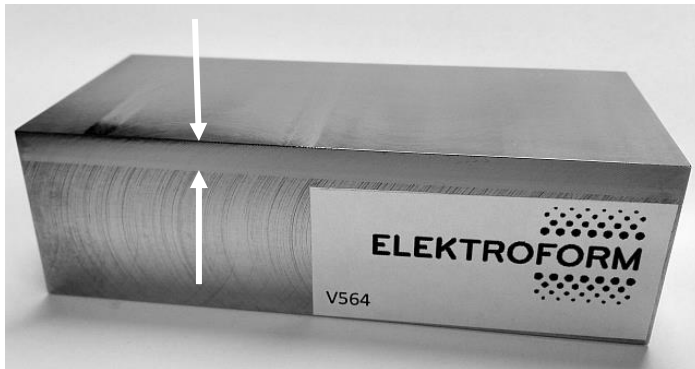


THICK NiP LAYERS UP TO 8 MM

FOR MICRO-SYSTEM TECHNOLOGY PRODUCTS



Nickel-Phosphorous coating (pre-machined) on a steel substrate

ELEKTROFORM provides Nickel-Phosphorus layers up to 8 mm for high-precision micro-tools.

If your company works in the demanding field of high-tech micro-products and needs an extremely accurate surface finish, then ELEKTROFORM would like to be your partner.

How can we support your needs?

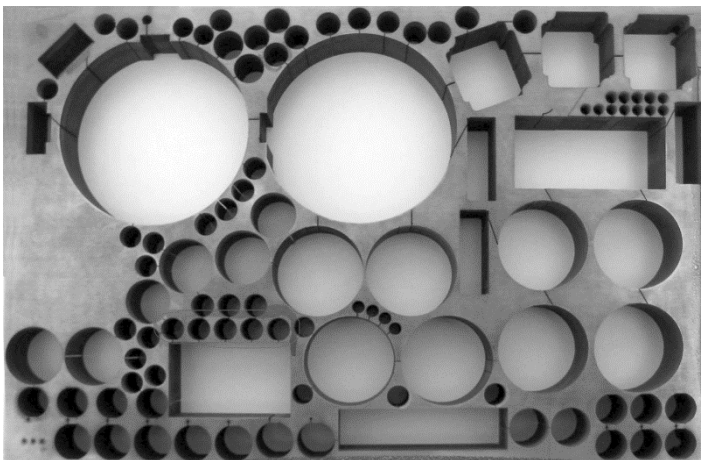
ELEKTROFORM is the market leader for *electroplating* thick layers of Nickel-Phosphorus.

What are the benefits of our experience in this high-tech process?

- Deposit thickness up to 7 mm single point diamond turnable (SPDT)
- Machining (SPDT) can achieve surface roughnesses less than 2 nm
- Electroplating of conductive and non-conductive surfaces
- Max. electrolytic bath dimensions: 1200 x 700 x 900 mm

Characteristics of the Nickel-Phosphorus Coating made by ELEKTROFORM:

- Hardness DPH (Vickers) up to 600 (after heat treatment up to 900)
- Low ductility
- Amorphous, above 200 °C crystalline
- Diamagnetic, approx. 12-14 % Phosphorus



Tools cut out by electrical discharge machining (area: 200 x 300 mm)