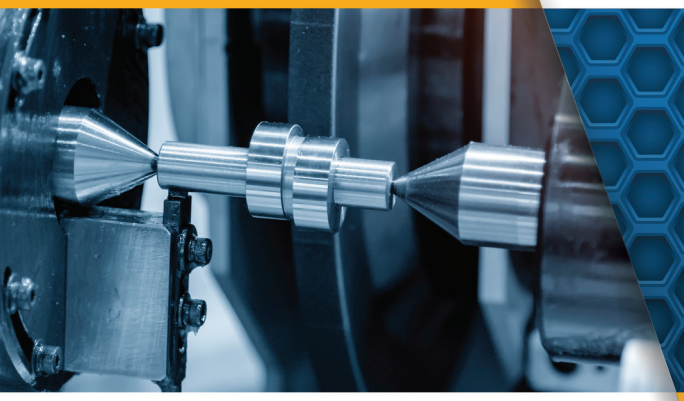
TECHMETALS
ENGINEERED METAL FINISHING & PERFORMANCE COATINGS



Industry Uses:

- Diamond Turning
- Injection Mold Dies
- Optics
- Lenses

OptaKoat®

Even though it is comprised of a dense nickel phosphorous coating, OptaKoat differs from traditional electroless nickel plating. In short, it offers significant improvements in both diamond tool life and coated component yield.

Specifically developed for the Optics and Diamond Turning industry, this coating is highly reflective and can easily be diamond turned. Furthermore, it's thickness is applied at 0.25" or more — therefore significantly reducing imperfections.

Additionally, OptaKoat is totally amorphous. That is, typically used in producing technical lenses for mobile phones, compact disc and DVD players. It is also used in creating rollers for lenticular lenses, digital printing parts and injection mold dies for example.

Benefits:

- Extends Diamond Tool Life
- Lasts up to 8 times longer than Electroless Nickel (EN)
- Non-magnetic
- Fewer defects than EN
- Polishes to a superior finish
- Corrosion and wear resistant

Properties:

- Coefficient of Friction: 0.13
- Corrosion Resistance: 1,000+ hours at 0.001"
- Natural Salt Spray: 500 hours at 0.0003"
- Hardness: As deposited Rockwell C 48-51

  Bake 750°F/1 hour Rockwell C 70-72

Call: (937) 253-5311

www.techmetals.com