



Tech Nickel®

INCORPORATED

“YOUR SUCCESS IS OUR SUCCESS”

Tech Nickel® has been in the plating and metal finishing industry for over 30 years and we have built our business on providing ultimate quality and personal service. We are setting the standards for the metal finishing, metal treating, and coating industry.

**ISO 9001:2015
CERTIFIED QUALITY
SYSTEM**

ELECTROLESS NICKEL COATINGS

- Meets AMS 2404**
- Meets ASTM B733**
- Meets Mil-C-26074**

Tech Nickel® complies with many other specifications

Tech Nickel's electroless nickel coating is a chemical-reaction Meeting both medium and high phosphorus standards.

- Hardness 48-52 HRc
- Maximum Hardness 60-65 HRc
- Plating Range .0002-.003 per side
- Electroless Nickel can be masked off as needed
- Coats evenly regardless of geometry of part
- Improved corrosion resistance
- Improved wear resistance



HARD CHROME PLATING

- Meets AMS 2460**
- Meets AMS QQ-C-320**
- Meets ASTM B177**

Precision hard-chrome coatings are applied to tools and dies, hydraulic shafts and cylinders, and many other applications where long-life performance is required.

- Hardness 65-70 RC
- Improved Wear Resistance
- Improved Lubricity
- Oil Retention
- Restores dimensions of undersize parts
- Light Flash applications from .00005



NICKEL/CHROME COATING

Ni-chrome coatings consist of electroless nickel coating with a precision hard-chrome overlay that provides maximum wear and corrosion-resistance on metallic substrates to ensure ultimate performance.

- Hardness 65-70 RC
- Improved Wear Resistance
- Improved Lubricity
- Oil Retention
- Better corrosion protection than Hard Chrome alone

Small Business
CAGE Code 22120
NACS Codes 332813,
332812, 332811
DUNS 102350311

SALT BATH NITRIDING

- Meets AMS 2753**
- Pyrometry per AMS 2750**

The Salt Bath Nitride process is a Thermo Chemical treatment that improves wear resistance and corrosion resistance of ferrous metals with little or no dimensional change.

We offer:

- Nu-Tride® Salt Bath Nitriding (equivalent to Melonite® process)
- Nu-Tride® Salt Bath Nitriding Q.P.
- Nu-Tride® Salt Bath Nitriding Q.P.Q.™

- Hardness 52-58 HRc
- Improves fatigue strength
- Exceptional lubricity
- Low coefficient of friction
- Improved wear resistance
- Improved corrosion resistance
- Resistance to weld splatter
- Holds dimensional requirements with little or no distortion
- Nice matt black color
- Metal treatment (not a coating)



METALLURGICAL SERVICES

Our metallurgical lab testing includes case depth, Micro hardness, plating thickness and chemical analysis. Destructive and non-destructive testing.

Tech Nickel performs In-House corrosion testing per ASTM B-117



**1200 South Crystal Avenue
Benton Harbor, MI 49022
Phone: 269-926-8505
Fax: 269-926-4229
Email: sales@technickel.com**



Web site: www.technickel.com