



Tech Nickel, Inc.

Your Success Is Our Success

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

Electroless Nickel Coating

High-tech electroless nickel coating is a chemical-reaction comprised of 90.92% nickel and 8-10% phosphorus. Regardless of geometry, once a catalyst is immersed into the acid bath, the compound coats evenly.

- 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
- Meets AMS 2404 specifications
- Meets ASTM B733 specifications
- Meets Mil-C-26074 specifications
- Tech Nickel® complies with many other specifications

Nickel/Chrome Coating

Ni-chrome coatings consist of electroless nickel coating with a precision hard-chrome overlay and provide the maximum wear and corrosion-resistance on metallic surfaces to ensure precise quality and performance.

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

Metallurgical Services

Our metallurgical lab testing includes case depth, micro hardness, plating thickness, chemical analysis, destructive, and non-destructive testing. Tech Nickel performs in-house corrosion testing per ASTM B-117.

Hard Chrome Plating

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

Salt Bath Nitriding

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
- Meets AMS 2753 Specifications
- 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 matte black color
- Metal treatment (not a coating)
- Up to 300 hours salt spray protection

Small Business

CAGE Code 2Z120

NACS Codes 332813, 332812, 332811

DUNS 102350311