

ZINC-NICKEL PLATING

SCOPE: Sharretts Plating Company has perfected the process of alloying zinc with various metals, including nickel.



ZINC-NICKEL BENEFITS/CAPABILITIES

- Provides hundreds of hours of salt spray protection before red rust appears
- Offers superior corrosion protection at temperatures of up to 500 degrees Fahrenheit
- Resists "whiskering," which is the development of metal slivers that can cause damage to the substrate
- Excellent adhesion and surface coverage
- Increases wear and abrasion resistance of the substrate
- Works well as an undercoat for paint and powder coating
- Provides a lustrous silvery finish that can enhance the appearance of parts

A zinc-nickel alloy offers far greater corrosion protection than zinc or other zinc alloys; in fact, zinc-nickel is often chosen as a cost-effective and environmentally-friendly alternative to cadmium plating. Generally, the higher the nickel content in the alloy, the more corrosion protection it offers. Zinc-nickel is commonly used in the Automotive and Aerospace industries and by a wide range of manufacturing companies looking for affordable, long-lasting corrosion protection. Zinc-nickel plating can also withstand high temperatures, making it a strong choice for applications involving extreme heat.

SPC ZINC-NICKEL PLATING SERVICES:

SPC offers rack and barrel zinc-nickel plating services that can be tailored to the specifications of each customer. We build all of our own equipment to ensure it meets the highest standards for quality and performance. We can develop a zinc-nickel coating consisting of nickel content in the 10-15% range to meet the automotive industry's stringent requirements. We can accommodate both small and large production runs and parts of various weights and sizes, even the extremely large and heavy parts that are commonplace in the aerospace and automotive industries.

Sharretts Plating Company

ISO 9001:2008 / Six Sigma

A privately owned company in operation since 1925