

ELECTROLESS NICKEL PLATING SYSTEMS

Ronatec offers a complete line of proprietary electroless nickel plating systems to meet all functional plating requirements. Deposits from these systems range from 1% to 12% phosphorus by weight. Our coatings provide extraordinary corrosion protection, exceptional wear resistance and excellent solderability at minimum plate thickness. Ronatec electroless nickel products are manufactured with state-of-the-art equipment and subjected to strict quality control. From A to Z our electroless nickel processes have demonstrated their exceptional capabilities to meet challenging application demands.



TECHNOLOGY

The Leader in Electroless Nickel

RoHS EN 1000: Recognized as the most preferred medium phosphorus Electroless Nickel in the USA, The RoHS EN 1000 was developed expressly for aerospace applications requiring advanced and reliable NSS performance. This process utilizes a single component make-up and is available in both bright and semi-bright options. Low Metal(3g/L) and Standard(6g/L) options.

RoHS EN 1012: Engineered for optimal performance, this high phosphorus Electroless Nickel boasts the fastest plating rate (7/10th per hour+) in the industry, while depositing over 10.5% phosphorus, ensuring unparalleled corrosion protection. Available in Low Metal(3g/L) and Standard(6g/L) options.

RoHS EN 1013: Formulated to produce a semi-bright, high phosphorous, electroless nickel deposit, with a moderate of deposition, over a wide range of solution loading for both rack or barrel applications. The resulting deposit is RoHS compliant and is in accordance with the requirements of REACH.

RoHS EN CSB: Tailor-made for the Aerospace/Defense connector industry, this semi-bright medium phosphorus variant offers superior corrosion resistance and excellent ductility. Available in Low Metal(3g/L) and Standard(6g/L) options.

RoHS EN Frost: Featuring the latest in PTFE co-deposit technology, this product stands out as the easiest-to-use system available. This product is PFAS/PHOS/PFOA free and offered in both high and medium phosphorus options. It maintains extended MTO compared to its competitors, all while delivering a stable plating rate.

ENSAT: electroless Nickel deposits have proven to be an outstanding engineering coating for many applications and industries. Because of these wide variety of applications, specific plating challenges may arise from time to time. To counter those challenges, Ronatec offers a wide range of ENSAT electroless nickel service action tools. From pH adjustment, to wetters to a variety of post treatment products, Ronatec manufactures the EN service tool that can insure the continuation of high quality EN deposits.

