

THE PROCESS

Electroless nickel is an autocatalytic plating process resulting in a reflective layer of nickel-phosphorous. This plating process provides uniformity on all surfaces, making post machining unnecessary when dimensions are accurate.

Nor-Guard™ is a high phosphorous electroless nickel coating that produces the best corrosion and stain resistance from our electroless nickel offerings. This process also yields good wear resistance.

Process	Hardness		Wear	Corrosion	Lubricity	Description	Major Benefit
	Rc	Knoop	Suga	Salt Spray (.001")	C.O.F.		
Nor-Guard™	45	466	13 mg	1200 hrs	0.15	Pioneer Metal Finishing's most corrosion resistant electroless nickel process.	Supreme corrosion protection.

THE OVERVIEW

NOR-GUARD™ (ELECTROLESS NICKEL)

Pioneer's family of electroless nickel plating methods offer a variety of solutions to meet your finishing requirements. Each of our proprietary electroless nickel processes can be specifically engineered to accommodate different hardness and/or corrosion protection needs.

[CLICK HERE TO VIEW IMAGES OF THIS PROCESS](#)

RECEPTIVE METALS

Aluminum Stainless Steel
Brass Iron Alloys
Copper

THICKNESS

.0001 - .005"

TOLERANCES

+/- .0001"

MAX PART SIZE

12' X 30" x 30"

SPECIFICATIONS

ASTM B 733
AMS 2404
TYPE V
ELV, RoHs & WEEE Compliant
Approved for food grade applications

PERFORMANCE BENEFITS

Best Electroless Nickel for Corrosion Resistance



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