

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-Last™ offers the best wear protection of our electroless nickel finishes approaching the performance of ceramic coatings and hard chrome.

PERFORMANCE BENEFITS

Best Combination Hardness & Wear Protection
Potential Replacement for Hard Chrome Plating
Surface Hardness & Wear Resistance
Increase Tooling Longevity 2.5 to 4 Times

Process	Hardness		Wear Suga	Corrosion Salt Spray (.001")	Lubricity C.O.F.	Description	Major Benefit
	Rc	Knoop					
Nor-Last™						Nor-Last™ offer the best wear protection of our electroless nickel finishes approaching the ability of hard chrome.	Surface hardness and supreme wear resistance increasing tooling longevity 2.5 to 4 times.
As Plated	64	822	7 mg	100 hrs	0.18		
Baked	70	970	5 mg	48 hrs	0.21		

THE OVERVIEW

NOR-LAST™ (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
TYPE III
CLASSES 1-6
Approved for food grade applications



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