

Max-Air E.N.P. Actuators

Actuators for <u>Severe</u> Environments

Featuring an autocatalytic nickel infusion, Max-Air E.N.P. actuators are designed to provide the best corrosion resistance possible. Available in all Max-Air sizes through UT-66, this highly competitive stainless steel alternative is an ideal choice for your tough environments.



Autocatalytic Nickel Infusion (E.N.P.) is the latest technological advance in electroless nickel deposition. It is a specially developed process used for severe environment protection of the Max-Air actuator. The Max-Air process of E.N.P. uses a higher concentration of phosphorous in the nickel bath than normal electroless nickel coating processes. The extra phosphorous results in a harder and more evenly infused nickel deposition over the entire surface. The finished Max-Air E.N.P. Actuator, therefore, has a superior corrosion protection and greater hardness. Max-Air delivers with the most advanced procedure available today.

Features & Benefits

- <u>E.N.P.</u> is an x-ray controlled high phosphorous electroless autocatalytic nickel infusion.
- <u>Benefits & Advantages:</u> greater corrosion resistance and greater hardness with infused deposition control.
- <u>E.N.P.</u> vs Electroplating: E.N.P. Is an extremely uniform method. Electroplating, due to high and low areas of current density, results in heavy deposit build up in corners and minimal or no coverage in recesses.
- <u>High phosphorous concentration</u>: 13% phosphorous 87% nickel solution vs others using 10% phosphorous.
- <u>Nickel deposition</u>: 20 microns is held uniformly over the entire surface.
- <u>Improved hardness</u>: hardness from 53 to 58 RC.
- <u>Corrosion resistance</u>: process of choice for optimum corrosion and salt spray resistance.

Max-Air Technology Inc.

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