

Announcing...A Nickel Brush Plating Repair Service That Delivers: Quality Solutions, Superior Results, Localized Applications, Close Tolerances, Quick Turn-Arounds & Competitive Prices

SELECTIVE or "BRUSH" PLATING can be used to repair mis-machining, mis-alignment, wear, scoring, fretting, corrosion & other damage. SELECTIVE PLATING can effectively repair any type of damage which does not result in structural weakening (e.g. cracks or substantial loss of material).

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Portland / Oregon / USA – Tuesday, June 30, 2015

NICKEL BRUSH PLATING can produce superior quality plating with a depth as thin as .0001 inch without post machining. A majority of SELECTIVE PLATING applications are requested between the depths of .0005 and .002. However, much greater depths of plating can be achieved with SELECTIVE PLATING w/o any loss of quality. The only real limitation to thickness is economic consideration.

NICKEL PLATING produces superior results by atomically bonding electroplates to host material. The process does not require preheating or post-heating, thus avoiding elevated temperature induced stress. SELECTIVE PLATING also avoids other problems that are common to most repair processes such as induced porosity, improper mechanical bonding, hydrogen embrittlement and removal of host material which weakens the component.

SELECTIVE PLATING is applied to localized areas - only where needed. A graphite anode is fabricated to fit the exact area where plating is required (based on diameter and width). This exact fit makes SELECTIVE PLATING an ideal solution for design configurations that make other forms of metal deposition impossible to apply (e.g. bearding journal adjacent to electrical windings). Solutions used in the SELECTIVE PLATING process have metal content 10 to 50 times higher than solutions used in tank plating. This allows SELECTIVE PLATING to utilize significantly higher amperes per square inch which results in rapid plating and superior bonding. Only small amounts of solutions are used, making it much easier to process them in an environmentally responsible way.

NICKEL BRUSH PLATING provides quick turn-around time - reducing machine down-time and production delay. The SELECTIVE PLATING process itself utilizes tight tolerance control for localized, efficient application and delivers superior repair results. SELECTIVE PLATING is committed to quick turn-around time and superior customer service at competitive prices.

ARROW ELECTRO-PLATING provides a high level of professionalism and can meet any requirements. Whether your order is a large run or short run, our efficiency allows us to be competitive regardless of order size.



“Chrome repair wouldn't work because it could crack easier than it would with Nickel Plating where deposits of .060 are allowed and acceptable for permanent repair. There was only a small area that needed to be repaired and the Nickel could be applied to the specific area, rather than using a lot of chrome for the repair. A real time and money saver.”

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CONTACT INFORMATION

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