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APC METAL FINISHING SERVICES REFERENCE

FINISH	METHOD	FINISH TYPE	ROHS COMPLIANT?	SELECTIVE?	NOTES
Nickel, Bright (Watts)	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Ductile and full bright
Nickel, Sulfamate	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	Yes	Yes	Solderable and corrosion resistant
Nickel, Satin (Watts)	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	
Nickel, Black	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Jet black when plated full bright, charcoal grey when plated satin
Techni-Crom	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	A RoHS compliant chrome replacement that can be barrel plated.
Electroless Nickel (High Phosphorous)	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	Yes	Yes	Ultra high build capabilities to thicknesses 0.005", high corrosion resistance, uniform deposit thickness
Electroless Nickel (Mid Phosphorous)	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	Yes	Yes	Corrosion resistance, uniform deposit thickness
Zinc/Nickel	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	Yes	Yes	OEM Automotive approved cadmium replacement, capable of >1500 hrs salt spray
Copper	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Ultra high build capabilities to thicknesses 0.020" or more. APC offers copper from acid, alkaline and cyanide bath formulations
Tin, Bright	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Corrosion resistance, excellent electrical properties
Tin, Solderable	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	Yes	Yes	The best tin for soldering applications 60/40, 90/10, 10/90 available. Any custom formulation can be provided if required.
Tin/Lead	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	No	Yes	A coating for severely corrosive and military applications.
Lead	Rack, Barrel, MPM, Oscillatory, Vibratory	Functional	No	Yes	
Silver, Bright	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Type II per ASTM B700 and QQ-S-365
Silver, Matte	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Type I per ASTM B700 and QQ-S-365
Gold, Hard	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Type II per ASTM B 488-01 and MIL-G-45204
Gold, Soft	Rack, Barrel, MPM, Oscillatory, Vibratory	Decorative, Functional	Yes	Yes	Type III per ASTM B 488-01 and MIL-G-45204
Powder Coating	Rack	Decorative, Functional	Yes	Yes	Finishing of powder available to attain flaw-free decorative finishes. Demanding masking applications welcomed. Chromating and phosphating available to enhance corrosion performance.
Illusion	Rack	Decorative	Yes	Yes	A prismatic conversion coating of nickel that provides an unparalleled dramatic chameleon effect. Colors range from light yellows and pinks to deep turquoise and purples.
Passivation, Industrial	Rack, Basket	Functional	Yes	N/A	
Passivation, Precision	Rack, Basket	Functional	Yes	N/A	Delicate and custom engineered passivation to any customer specification. Precision passivation is tailored to the ultra-pure cleanliness specifications of the medical industry.
Polishing	N/A	Decorative, Functional	N/A	Yes	Automatic, semiautomatic and hand polishing services available.
Cleaning Services	Rack, Basket	Functional, Decorative	Yes	N/A	Vapor degreasing, electro cleaning, ultrasonic cleaning and nitrogen packaging services available.
SUBSTRATES PLATED ON:	<i>Plain carbon steel, stainless steel, hardened steels, Inconel, nickel, pure copper, alloy copper, brass, Monel, Hastalloy, aluminum, lead, nickel-silver, metalized plastics</i>				
VALUE ADDED SERVICES:	<i>Inventory management, Kanban, PPAP, custom packaging, subassembly, pre and post-plate baking, post-plate waxes, oils and corrosion inhibitors</i>				