

SERVICES / CAPABILITIES

Plating capability		Specification	Appearance	Properties				
				Purity (%)	Hardness (Hv)	Solderability	Conductivity	Ductility
Gold	Soft Gold	ASTM B448	(M)	99.99	< 76	★★★	★★★★	★★★★
	Hard Gold	MIL-G-45204	(B)	99.95	116~188	★★★	★★★★	★★
	Pink Gold	-	(B)	65~70	> 120	-	-	-
Silver	Bright Silver	AMS 241 1D, ASTM B70, SPOP 240	(B)	99.90	120~150	★★★	★★★★	★★★★
Palladium		ASTM B679	(B)	99.90	350~400	-	★★★★	★★★★
Palladium Nickel		ASTM B867	(B)	80/20	460~505	-	★★★★	★★★★
Electroless Nickel	Low phosphorous	ASTM B656	(B)	1~4 (P)	586~714	★★	★★★★	★★
	Medium phosphorous	ASTM B656	(B)	5~9 (P)	~500	★★	★★★★	★★
	High phosphorous	ASTM B656, SPOP 311	(B)	> 10 (P)	500~600	★★★	★★★★	★★★★
	Boron	ASTM B607	(B)	~1 (B)	~700	★★★	★★★★	★★
Electrolytic Nickel	Bright Nickel	ASTM B689, QQ-N-290A	(B)	99.90	180~405	★★	★★★★	★★
	Sulphamate Nickel	ASTM B689, ISO 1458, QQ-N-290A, SPOP 26	(B)	99.90		★★	★★★★	★★★★
	Watts Nickel	ASTM B689, QQ-N-290A	(M)	100.00		★★	★★★★	★★★★
	Black Nickel	AMS 2417, MIL-P-18317	(M)	-	-	-	-	-
Tin	Bright Tin	ASTM B545, ASTM B579, MIL-P-81728	(B)	100.00	20~30	★★★	★★★★	★★★★
	Dull Tin		(M)	100.00	-	★★★	★★★★	★★★★
Chrome	Hard Chrome	SPOP 22	(B)	-	800~1000	-	-	-
Copper		ASTM B734	(M)	100.00		★★★	★★★★	★★★★
Physical Vapour deposit	Gold	WST.P-104, WST.P-105	(B)	-	Increase hardness of parent material by 50%	-	-	-
	Silver	WST.P-104, WST.P-105	(B)	-		-	-	-
	Black	WST.P-104, WST.P-105	(B)	-		-	-	-

LEGEND: (M) - Matt (B) - Bright ★★ - Moderate ★★★ - Excellent

Surface Treatment	Specification
Heat Treatment (Quench and Annealing)	-
Mechanical/ Chemical/ Electrolytic Polishing	-
Plasma Stripping	SPOP 301
Alkaline Stripping	SPOP 5

Other Services
Research and Development
Process Customization
One Stop Service
Failure Analysis

* For more technical assistance or enquiries on our services, please consult our friendly sales & technical representatives at the following:
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