

Surface Engineering Materials/Consumables Charging Rate

(for quick reference only, 3D model and target materials are required for detailed cost estimation)

Latest update: 3 Sep 2021

Facilities	Items		Unit Price (HKD)	Remark	
PVD	Coating material	C, Cu, Al, Zr, Cr, Ti, TiAl, SS 316, etc (/batch)	553		
Anodizing and conversion	Material charge	Aluminium (/dm ²)	13	Minimum charge: HKD100	
Electroless Plating, Electroplating and Electroforming	Electroless Plating	Plating Material (selective)	Copper (/dm ²)	39	Minimum charge: HKD100
			Nickel (/dm ²)	39	
	Electroplating - on Metal Substrate	Plating Material (selective)	Copper (/dm ²)	13	Minimum charge: HKD00
			Nickel (/dm ²)	13	
			Tin Cobalt (/dm ²)	13	
		Plating Material	Gold (/dm ²)	39	Minimum charge: HKD150
	Electroplating - on Non-metal Substrate	Plating Material (selective)	Copper (/dm ²)	39	Minimum charge: HKD150
			Nickel (/dm ²)	39	
			Tin Cobalt (/dm ²)	39	
		Plating Material	Gold (/dm ²)	65	Minimum charge: HKD200
	Electroforming	Forming Material (selective)	Copper (/g)	50	Minimum charge: HKD150
			Nickel (/g)	50	
Photo-Chemical Machining (PCM)	PCM - A4 Size (8000dpi)	Stainless Steel Sheet (selective)	0.05 - 0.25mm thick (/pc)	195	
			0.3 - 0.4mm thick (/pc)	325	
		[10-30pcs, 10% off]	0.5 - 0.6mm thick (/pc)	520	
		31-80pcs, 30% off]	0.7 - 0.8mm thick (/pc)	780	
	PCM - A3 Size (8000dpi)	Stainless Steel Sheet (selective)	0.05 - 0.25mm thick (/pc)	260	
			0.3 - 0.4mm thick (/pc)	390	
			0.5 - 0.6mm thick (/pc)	650	
		[10-30pcs, 10% off]	0.7 - 0.8mm thick (/pc)	910	
		31-80pcs, 30% off]			
	PCB	Circuit Etching (Bare PCB not included)	Etching (/pattern)	65	
Laser Photo Plotter	Photo Tool Direct Output	A4 Size (/pattern)	65		
Sand Blasting Machine	Basic Charge		0	Using the machine is free of charge	
Grinding and buffing machine	Basic Charge		0	Using the machine is free of charge	
Hydro-Dipping	A4-size	Workshop Standard Pattern	Pattern Dipping (/pc)	39	
		Custom Pattern	Pattern Dipping (/pc)	98	
	A3-size	Workshop Standard Pattern	Pattern Dipping (/pc)	78	
		Custom Pattern	Pattern Dipping (/pc)	195	
Barrel finishing machine and magnetic tumbler	Basic Charge		0	Using the machine is free of charge	
Vapour polishing	For 3D printing plastic parts	Polishing (/batch)	65		
Metallographic examination	Basic Charge		0		
Salt spray chamber	Basic Charge		0		