

3D Printing Technologies 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	
Desktop Metal Studio System	A	Print and support	Stainless Steel 316L (/g)	1.6	Total charge = (A x total material usage) + (B x total material usage) + C
		Material (selective)	Stainless Steel 17-4 PH (/g)	1.4	
	B	Interface Material	Ceramic (/g)	7.0	
	C	Protective Gas	Argon Gas for sintering (/job)	350.0	
Fortus FDM 400MC	A	Print Material	ABS-M30i (/g)	3.4	Total charge = (A x total material usage) + (B x total material usage)
	B	Support Material	Soluble Support SR30 (/g)	3.4	
Markforged M2	A	Print Material	ONXY-Nylon w/ Chopped Carbon Fiber (/cm ³)	2.4	Total charge = (A x total material usage) + (B x total material usage)
	B	Reinforce Material (optional)	Carbon Fiber CFF (/cm ³)	30.4	
			Fiberglass CFF (/cm ³)	16.2	
			Kevlar (Aramid Fiber) CFF (/cm ³)	20.3	
			HSHT Fiberglass CFF (/cm ³)	20.3	
Ultimaker S5	A	Print Material (selective)	Ultimaker PLA (/g)	1.0	Total charge = (A x total material usage) + (B x total material usage)
			Ultimaker Tough PLA (/g)	1.0	
			Ultimaker TPU 95A (/g)	1.0	
			Ultimaker PP Natural (/g)	1.1	
			ColorFabb BronzeFill (/g)	1.0	
			ColorFabb Copperfill (/g)	1.0	
			ColorFabb Woodfill (/g)	1.0	
	B	Support Material (selective)	Soluble Support-PVA (/g)	1.0	
			Breakaway Support-PLA (/g)	1.0	