

萬鈞伯裘書院
2022-2023 年度
承投提供 **STEM** 教育設備供應商

招標編號：MKPC-T2223-014

附件一

FDM/FFF 3D Printer x 1pc. (Must fulfill the following Specifications)	
Physical dimensions	
Assembled dimensions	342 x 460 x 580 mm (13.5 x 18.1 x 22.8 in)
Net weight	10.3 kg (22.7 lbs)
Printer and printing properties	
Technology	Fused filament fabrication (FFF)
Print head	Single extrusion with swappable nozzles
Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm nozzle: 200 - 20 micron 0.6 mm nozzle: 400 - 20 micron 0.8 mm nozzle: 600 - 20 micron
XYZ resolution	12.5, 12.5, 5 micron
Build speed	< 24 mm ³ /s
Build plate	Heated glass build plate (20 - 110 °C)
Nozzle diameter	0.4 mm (included) 0.25, 0.6, 0.8 mm (sold separately)
Material recognition	Auto-recognition enabled with NFC scanner
Feeder type	Dual-gear, abrasion-resistant
Easy setup	Install the printer in minutes, and benefit from improved ergonomics and assisted bed leveling
Next-gen components	A stiffer build platform and rigorously tested material profiles ensure reliable printing
Touchscreen	For every action, the 2.4" color touchscreen gives you intuitive control and assistance
Easy maintenance	A clean and updated design keeps maintenance needs to around 20 minutes per month
Wide material choice	With our open filament system, you can always find the right material
Compatible Filaments	Optimized for Ultimaker PLA, Tough PLA, ABS, Nylon, CPE, CPE+, PC, PP, TPU 95A, Woodfill, (Also supports third-party materials)

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Enhanced safety	Compatible to Ultimaker 2+ Connect Air Manager in which removes up to 95% of ultrafine particles and shields users from hot components (sold separately)
Operating sound	< 50 dBA
Power input	100 - 240 VAC, 50 - 60 Hz
Power output	221 W
Connectivity	Via Wi-Fi or Ethernet, print remotely over the cloud with added security
Software	
Supplied Software	Ultimaker Cura, print preparation software Ultimaker Digital Factory, cloud-based printer management solution
Security	Data encryption in transit and at rest. Two-factor authentication
Supported OS	MacOS, Windows, and Linux
Warranty	
Warranty period	12 months (carry-in)
On-site installation and training	1 hour