

Pro2 Series Technical Specifications

Printer	Pro2			Pro2 Plus		
Build Volume (W × D × H)	Single Extruder Print	Dual Extruder Print		Single Extruder Print	Dual Extruder Print	
	305 × 305 × 300 mm	280 × 305 × 300 mm		305 × 305 × 605 mm	280 × 305 × 605 mm	
Machine Size (W × D × H)	620 × 590 × 760 mm			620 × 590 × 1105 mm		
Weight	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)
	50.2 Kg	62.7 Kg	70.5 Kg	59.3 Kg	71.8 Kg	79.6 Kg
Electrical	Power Supply Input		100-240 V AC, 50/ 60 Hz 230 V @ 3.3 A			
	Power Supply Output		24 V DC, 600 W			
General	Print Technology	FFF				
	Print Head System	Dual-head with electronic lifting system				
	Filament Diameter	1.75 mm				
	XYZ Step Size	0.78125, 0.78125, 0.078125 micron				
	Print Head Travel Speed	30-150 mm/s				
	Build Plate	Heated aluminum build plate with magnetic holding				
	Max Build Plate Temperature	110°C				
	Heated Bed Material	Silicone				
	Build Plate Leveling	Pre-calibrated leveling				
	Filament Run-out Sensor	Available				
	Supported Materials	PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill				
	Layer Height	0.01-0.25mm				
	Nozzle Diameter	0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)				
	Max Nozzle Temperature	300°C				
	Connectivity	Wi-Fi, LAN, USB port, Live camera				
	Noise Emission (Acoustic)	< 50 dB (A) when building				
	Operating Ambient Temperature	15-30°C, 10-90% RH non-condensing				
Storage Temperature	-25°C to +55°C, 10-90% RH non-condensing					
Filter	HEPA filter with activated charcoal					
Technical Certifications	CB, CE, FCC, RoHS					
Software	Slicing Software	ideaMaker				
	Supported File Types	STL/ OBJ/ 3MF/ OLTP				
	Supported OS	Windows/ macOS/ Linux				
	Machine Code Type	GCODE				
Printer Controller	User Interface	7-inch Touch Screen				
	Network	Wi-Fi, Ethernet				
	Power Loss Recovery	Available				
	Screen Resolution	1024 × 600				
	Motion Controller	ARM Cortex M7.400 MHz FPU				
	Logic Controller	Freescale i.MX6, Quad core 1GHz ARM processor				
	Memory	1 GB				
	Onboard Flash	8 GB				
	OS	Embedded Linux				
Ports	USB 2.0 × 2, Ethernet × 1					