

Pro2 Series 3D Printer

Imagine New Possibilities

Industrial grade printers ready to integrate print factories,
24/7 production capability and customized parts on demand.

Dual Extruder

Electronic Driven, Dual Extrusion with Retracting Hot Ends
4× Increased Torque Performance

0.01mm Minimum
Layer Height
32 Bit Motion Controller

Massive Build Volume
Pro2 Plus: 305×305×605 mm
Pro2: 305×305×300 mm



Diverse Filament
Compatibility
Up to 300%

7-inch Touch Screen
Visual Print Progress
Full Adjustment Control

Resume Print

Resume Print after Power Loss or Filament Outage

Camera / HEPA Air Filtration



ITEM	Pro2		Pro2 Plus	
CONSTRUCTION	Build Volume (W×D×H)			
	Single Extrusion Print	Dual Extrusion Print	Single Extrusion Print	Dual Extrusion Print
	12×12×11.8 inch 305×305×300 mm	11×12×11.8 inch 280×305×300 mm	12×12×23.8 inch 305×305×605 mm	11×12×23.8 inch 280×305×605 mm
	Machine Size (W×D×H)			
	24.4×23.2×29.9 inch 620×590×760 mm		24.4×23.2×43.5 inch 620×590×1105 mm	
ELECTRICAL	Power Supply Input Power Supply Output		100-240 V AC, 50/60 Hz 230 V @ 3.3 A 24 V DC, 600 W	
PRINTER	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	
	Supported Materials		PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ NYLON/ PETG/ ASA/ PP/ PVA/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill	
	Layer Height		0.01-0.25 mm	
	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 to 55 °C, 10-90% RH non-condensing	
	Technical Certifications		CB, CE, FCC, RoHS, RCM	
	Filter		HEPA filter with activated charcoal	
	SOFTWARE	Slicing Software		ideaMaker
Supported File Types		STL/ OBJ/ 3MF		
Supported OS		Windows/ macOS/ Linux		
Machine Code Type		GCODE		
PRINTER CONTROLLER	User Interface		7-inch Touch Screen	
	Network		Wi-Fi, Ethernet	
	Resume Print after Power Outage		Firmware recording, no need for battery installation.	
	Screen Resolution		1024×600	
	Motion Controller		Atmel ARM Cortex-M7 400MHz FPU	
	Logic Controller		Freescale i.MX6, Quad core 1Ghz ARM processor	
	Memory		1GB	
	Onboard Flash		8GB	
	OS		Embedded Linux	
	Ports		USB 2.0×2, Ethernet×1	