

Pro2 Series Technical Specifications

Raise3D Pro2 Series are dual extruder 3D printers with high-resolution, for manufacturing and rapid-prototyping projects of varying sizes. They are designed to print complex parts, support a variety of filaments and improve print speed, and recognized as the benchmark and gold standard for serious 3D printing applications and 24/7 reliability.

Printer	Raise3D Pro2			Raise3D Pro2 Plus		
Build Volume (W × D × H)	Single Extruder Print	Dual Extruder Print		Single Extruder Print	Dual Extruder Print	
	305 × 305 × 300 mm (12 × 12 × 11.8 inch)	280 × 305 × 300 mm (11 × 12 × 11.8 inch)		305 × 305 × 605 mm (12 × 12 × 23.8 inch)	280 × 305 × 605 mm (11 × 12 × 23.8 inch)	
Machine Size (W × D × H)	620 × 590 × 760 mm (24.4 × 23.2 × 29.9 inch)			620 × 590 × 1105 mm (24.4 × 23.2 × 43.5 inch)		
Weight	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)
	49.9 kg (110.1 lbs)	61.4 kg (135.4 lbs)	68.9 kg (151.9 lbs)	59.5 kg (131.2 lbs)	72.7 kg (160.3 lbs)	80.2 kg (176.9 lbs)
Electrical	Power Supply Input Power Supply Output		100-240 V AC, 50/ 60 Hz 230 V @ 3.3 A 24 V DC, 600 W			
General	Print Technology Print Head System Filament Diameter XYZ Step Size Print Head Travel Speed Build Plate Max Build Plate Temperature Heated Bed Material Build Plate Leveling Filament Run-out Sensor Layer Height Nozzle Diameter Max Nozzle Temperature Connectivity Noise Emission (Acoustic) Operating Ambient Temperature Storage Temperature Filter Technical Certifications		Fused Filament Fabrication (FFF) Dual-head with electronic lifting system 1.75 mm 0.78125, 0.78125, 0.078125 micron 30-150 mm/s Heated aluminum build plate with magnetic holding 110°C Silicone Pre-calibrated leveling Available 0.01-0.25 mm 0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available) 300°C Wi-Fi, LAN, USB port, Live camera < 50 dB (A) when building 15-30°C, 10-90% RH non-condensing -25°C to +55°C, 10-90% RH non-condensing HEPA filter with activated charcoal CB, CE, FCC, RoHS			
Material	Material Type Third Party Material		PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill Supported by Raise3D OFP (Open Filament Program)*			
Software	Slicing Software Supported File Types Supported OS Machine Code Type		ideaMaker STL/ OBJ/ 3MF/ OLTP Windows/ macOS/ Linux GCODE			
Printer Controller	User Interface Network Power Loss Recovery Screen Resolution Motion Controller Logic Controller Memory Onboard Flash OS Ports		7-inch Touch Screen Wi-Fi, Ethernet Available 1024 × 600 Atmel ARM Cortex M7.400 MHZ FPU NXP i.MX6, Quad core 1 GHz ARM processor 1 GB 16 GB Embedded Linux USB 2.0 × 2, Ethernet × 1			

*For detailed information and slicing profiles of the materials supported by Raise3D OFP, please visit <https://www.ideamaker.io/>.