Raise3D Pro3 Series Technical Specifications

Raise3D Pro3 Series professional dual extruder 3D printers meet the needs of both production and multi-sized rapid prototyping, with high precision, large build size and round-the-clock stable operation. It is easy to use, and affordable for both office and manufacturing use.

Printer	Raise3D Pro3			Raise3D Pro3 Plus		
Build Volume (W × D × H)	Single Extruder Print	Dual Extruder Print		Single Extruder Print	Dual Extruder Print	
	300 × 300 × 300 mm (11.8 × 11.8 × 11.8 inch)	255 × 300 × 300 mm (10 × 11.8 × 11.8 inch)		300 × 300 × 605 mm (11.8 × 11.8 × 23.8 inch)	255 × 300 × 605 inch (10 × 11.8 × 23.8 inch)	
Machine Size (W × D × H)	620 × 626 × 760 mm (24.4 × 24.6 × 29.9 inch)			620 × 626 × 1105 mm (24.4 × 24.6 × 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)
	56.2 kg (123.9 lbs)	67 kg (147.8 lbs)	74.5 kg (164.3 lbs)	66.6 kg (146.9 lbs)	83.3 kg (183.7 lbs)	90.8 kg (200.2 lbs)
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	Fused Filament Fabrication (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	Flexible Steel Plate with BuildTak				
	Max Build Plate Temperature	120℃				
	Heated Bed Material	Silicone				
	Build Plate Leveling	Mesh-leveling with Flatness Detection				
	Filament Run-out Sensor	Available				
	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℃				
	Connectivity	Wi-Fi, LAN, USB port, Live camera				
	Noise Emission (Acoustic)	＜55 dB (A) when building				
	Operating Ambient Temperature	15-30℃, 10-90% RH non-condensing				
	Storage Temperature	-25℃ to +55℃, 10-90% RH non-condensing				
	Filter	HEPA filter with activated charcoal				
	EVE Smart Assistant	Available				
Material	Material Type	PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill				
	Third Party Material	Supported by Raise3D OFP (Open Filament Program)*				
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	Atmel ARM Cortex-M4 120 MHz FPU				
	Logic Controller	NXP ARM Cortex-A9 Quad 1 GHz				
	Memory	1 GB				
	Onboard Flash	16 GB				
	OS	Embedded Linux				
	Ports	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/.

RAISE3D