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 mm (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	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