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)

Category	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)
Weight	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	15-350 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	0.05-0.6 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	Hyper Speed PLA/ Hyper Speed ABS/ PLA/ ABS/ ASA/ PETG/ PC/ PETG ESD/ TPU 95A/ PVA+
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