

Raise3D Pro2 Plus Technical Specifications

ITEM	Pro2 Plus		
CONSTRUCTION	Build Volume (WxDxH)		
	Single Extrusion Print	Dual Extrusion Print	
	12×12×23.8 in 305×305×605 mm	11×12×23.8 in 280×305×605 mm	
	Machine Size (WxDxH)		
	24.4×23.2×43.5 in / 620×590×1105 mm		
WEIGHT	Net Weight	Gross Weight (Carton Only)	Gross Weight (Carton with Pallet)
	59.3 Kg	71.8 Kg	79.6 Kg
ELECTRICAL	Power Supply Input	100-240 V AC, 50/60 Hz 230 V @ 3.3 A	
	Power Supply Output	24 V DC, 600 W	
PRINTER	Print Technology	FFF	
	Print Head	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	
	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 °C to +55 °C, 10 - 90 % RH non-condensing	
Technical Certifications	CB, CE, FCC, RoHS, RCM		
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	
	Resume Print after Power Outage	Firmware recording, no need for battery installation. Protection from any condition	
	Screen Resolution	1024×600	
	Motion Controller	ARM Cortex M7.400MHZ FPU	
	Logic Controller	NXP ARM Cortex-A9 Quad 1 GHz	
	Memory	1 GB	
	Onboard Flash	8 GB	
	OS	Embedded Linux	
	Ports	USB 2.0×2, Ethernet×1	