

Raise3D Products_Comparison Sheets

Item	Categories	E2	Pro2	Pro2 Plus	
					
CONSTRUCTION	Build Volume (W×D×H)	Single Extruder Print Dual Extruder Print	13.0×9.4×9.4 inch /330×240×240 mm 11.6×9.4×9.4 inch /295×240×240 mm	12×12×23.8 inch /305×305×300 mm 11×12×23.8 inch /280×305×300 mm	12×12×23.8 inch /305×305×605 mm 11×12×23.8 inch /280×305×605 mm
		Machine Size (W×D×H)	23.9×23.5×18.3 inch / 607×596×465 mm	24.4×23.2×29.9 inch /620×590×760 mm	24.4×23.2×43.5 inch /620×590×1105 mm
		Net Weight	35 kg	50.2 kg	59.3 kg
		Gross Weight (Carton Only)	41.3 kg	62.7 kg	71.8 kg
		Gross Weight (Carton with Pallet)	50 kg	70.5 kg	79.6 kg
ELECTRICAL	Power Supply	Input	100-240 V AC, 50/60 Hz 230 V @2A	100-240 V AC, 50/60 Hz 230 V @3.3A	100-240 V AC, 50/60 Hz 230 V @3.3A
		Output	24 V DC, 350 W	24 V DC, 600 W	24 V DC, 600 W
PRINTER	Print Technology		FFF	FFF	FFF
	Print Head System		Independent Dual Extruders	Dual-head with electronic lifting system	Dual-head with electronic lifting system
	Filament Diameter		1.75mm	1.75mm	1.75mm
	XYZ Step Size		0.78125, 0.78125, 0.078125 micron	0.78125, 0.78125, 0.078125 micron	0.78125, 0.78125, 0.078125 micron
	Print Head Travel Speed		30 - 150 mm/s	30 - 150 mm/s	30 - 150 mm/s
	Build Plate		Flexible Steel Plate with Buildtak	Heated aluminum build plate with magnetic holding	Heated aluminum build plate with magnetic holding
	Max Build Plate Temperature		110 °C	110 °C	110 °C
	Heated Bed Material		Silicone	Silicone	Silicone
	Build Plate Leveling		Mesh-leveling with Flatness Detection	Pre-calibrated 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	PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ NYLON/ PETG/ ASA/ PP/ PVA/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill	PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ NYLON/ PETG/ ASA/ PP/ PVA/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill
	Layer Height		0.02-0.25 mm	0.02-0.25 mm	0.02-0.25 mm
	Nozzle Diameter		0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)	0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)	0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)
	Hot End		V3P (V3 hotend with PTFE version)	V3 hotend	V3 hotend
	Max Nozzle Temperature		300 °C	300 °C	300 °C
	Connectivity		Wi-Fi, LAN, USB port, Live camera	Wi-Fi, LAN, USB port, Live camera	Wi-Fi, LAN, USB port, Live camera
	Noise Emission (Acoustic)		< 50 dB(A) when building	< 50 dB(A) when building	< 50 dB(A) when building
	Operating Ambient Temperature		15 - 30 °C, 10 - 90% RH non-condensing	15 - 30 °C, 10 - 90% RH non-condensing	15 - 30 °C, 10 - 90% RH non-condensing
Storage Temperature		-25 to 55 °C, 10 - 90% RH non-condensing	-25 to 55 °C, 10 - 90% RH non-condensing	-25 to 55 °C, 10 - 90% RH non-condensing	
Technical Certifications		CB, CE, FCC, RoHS, RCM	CB, CE, FCC, RoHS	CB, CE, FCC, RoHS	
Filter		HEPA filter with activated charcoal			
SOFTWARE	Slicing Software		ideaMaker	ideaMaker	
	Supported File Types		STL/ OBJ/ 3MF / OLTP	STL/ OBJ/ 3MF / OLTP	
	Supported OS		Windows/ macOS/ Linux	Windows/ macOS/ Linux	
	Machine Code Type		GCODE	GCODE	
PRINTER CONTROLLER	User Interface		7-inch Touch Screen	7-inch Touch Screen	
	Network		Wi-Fi, Ethernet	Wi-Fi, Ethernet	
	Resume Print after Power Outage		Firmware recording, no need for battery installation	Firmware recording, no need for battery installation.	Firmware recording, no need for battery installation.
	Screen Resolution		1024×600	1024×600	1024×600
	Motion Controller		Atmel ARM Cortex-M4 120MHz FPU	ARM Cortex M7.400MHZ FPU	ARM Cortex M7.400MHZ FPU
	Logic Controller		NXP ARM Cortex-A9 Quad 1 GHz	Freescale i.MX6, Quad core 1Ghz ARM processor	Freescale i.MX6, Quad core 1Ghz ARM processor
	Memory		1 GB	1 GB	1 GB
	Onboard Flash		8 GB	8 GB	8 GB
OS		Embedded Linux	Embedded Linux	Embedded Linux	
Ports		USB 2.0×2, Ethernet×1	USB 2.0×2, Ethernet×1	USB 2.0×2, Ethernet×1	

*RED is the difference