

Raise3D E2

Precise, Reliable, and Affordable

An easy-to-use and durable professional 3D printer, ideal for improving precision standards, scaling production, and adding manufacturing resources.



Mirror Mode



Duplication Mode



Auto Bed Leveling



Industry-First Video-Assisted
Offset Calibration System



Safety Features



Power Saving Button



Flexible Build Plate



Large Variety of Compatible
Materials



Technical Specifications

Printer	E2	
Build Volume (W × D × H)	Single Extruder Print	Dual Extruder Print
	13 × 9.4 × 9.4 inch/ 330 × 240 × 240 mm	11.6 × 9.4 × 9.4 inch/ 295 × 240 × 240 mm
Machine Size (W × D × H)	23.9 × 23.5 × 18.3 inch/ 607 × 596 × 465 mm	
Electrical	Power Supply Input	100-240 V AC, 50/ 60 Hz 230 V @ 2 A
	Power Supply Output	24 V DC, 350 W
General	Print Technology	FFF
	Print Head System	Independent Dual Extruders
	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	110°C
	Heated Bed Material	Silicone
	Build Plate Leveling	Mesh-leveling with Flatness Detection
	Supported Materials	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
	Nozzle Diameter	0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available)
	Hot End	V3P (V3 hotend with PTFE version)
	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	
Filter	HEPA filter with activated charcoal	
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.
	Screen Resolution	1024 × 600
	Motion Controller	Atmel ARM Cortex-M4 120MHz 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	