

# E2 3D printer

## Precise, Reliable, and Affordable

An easy-to-use, durable desktop 3D printer ready to increase precision standards, scale production, and add a powerful new manufacturing resource.



**Mirror Mode**



**Duplication Mode**



**Auto Bed Leveling**



**Industry First  
Video-Assisted  
Offset Calibration System**



**Safety Features**



**Power Saving Button**



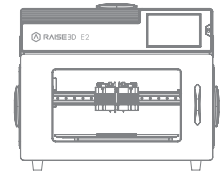
**Flexible Build Plate**



**Variety of Material  
Compatibility**



# Technical Specifications



| ITEM               | E2                                   |  |
|--------------------|--------------------------------------|--|
| CONSTRUCTION       | 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   |
| PRINTER            | Print Technology                     | FFF  |
|                    | Motion 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<br>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 to 55 °C, 10 - 90% RH non-condensing   |
|                    | Technical Certifications             | CB, CE, FCC, RoHS  |
|                    | Filter                               | HEPA filter with activated charcoal  |
| SOFTWARE           | Slicing Software                     | ideaMaker  |
|                    | Supported File Types                 | STL/ OBJ/ 3MF  |
|                    | 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                        | 8 GB   |
|                    | OS                                   | Embedded Linux   |
|                    | Ports                                | USB 2.0*2, Ethernet*1  |