

## Duplication Mode



Use both extruders in synchronized printing, doubling production capabilities.



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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.

**IDEX** (Independent Dual Extruders)

Multiple Prints Simultaneously

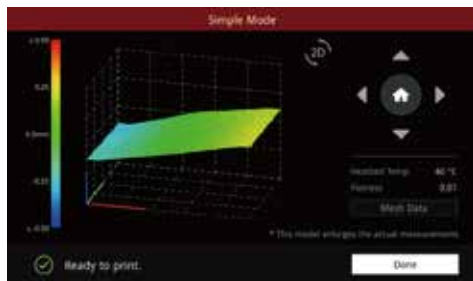


### **Mirror Mode**

Produce 3D models and their inverse simultaneously, increasing productivity and reducing print time.

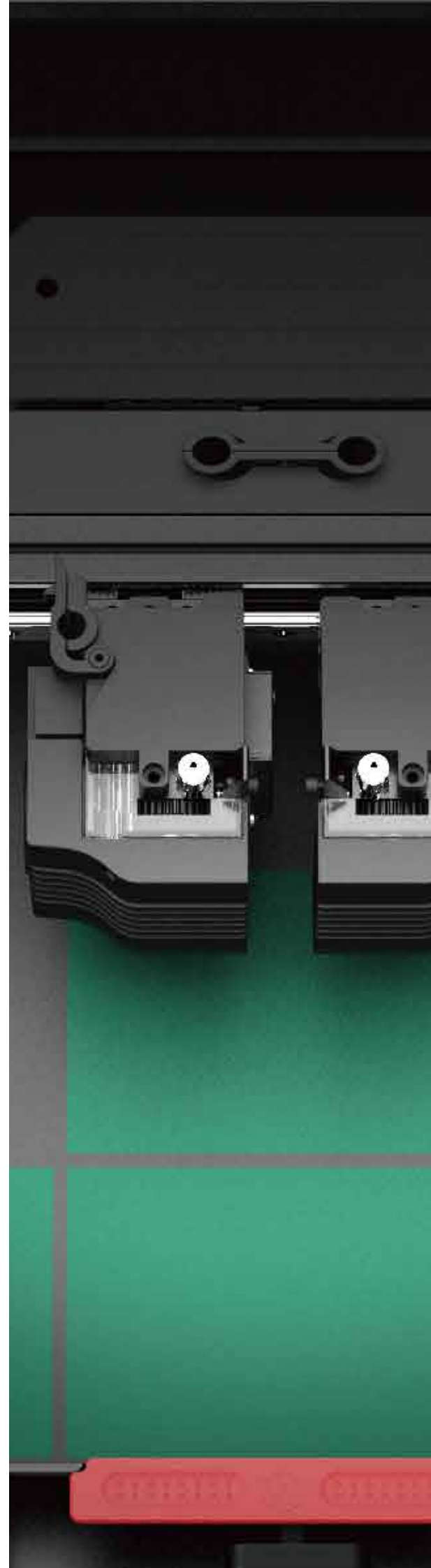
# Auto Bed Leveling

Confirms the printing platform is level whenever preparing to print. ABL maintains the distance between the print nozzles and bed, creating a uniform build area. Improves bed adhesion and print quality by allowing the extruder to adjust to even minor surface contour changes.



# Industry First Video-Assisted Offset Calibration System

Spend less time calibrating and more time printing.





## Safety Features

Opening a door is detected automatically, immediately pausing the print and keeping users safe.



## Power Saving Button

Turn off the RaiseTouch screen and LED lights to save energy and print throughout the night.



## Flexible Build Plate

Easily remove prints from the flexible build plate while minimizing potential print damage to quickly return to printing.

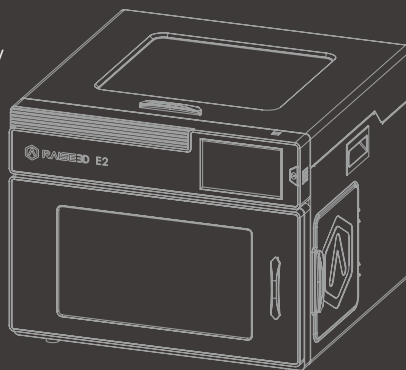


## Variety Of Material Compatibility

Shortened feed paths greatly enhances the printing capability for soft materials like TPU.

## More Features

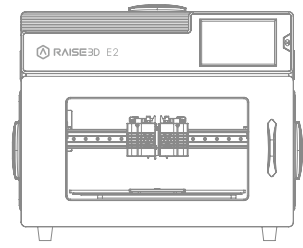
- Power Loss Recovery
- Filament Run-out Sensor
- Remote Video Monitoring



- 7-inch Touch Screen
- Remote User Interface
- HEPA Air Filtration

- Capable of Printing a Variety of Filaments up to 300°C

# 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 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)
	Hotend	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

# About Raise3D

**3** offices around the world, and a sales network covering **173** countries and regions.



Raise3D has become a global leader in manufacturing precise and reliable 3D printers, with headquarters in the U.S.A., China, and the Netherlands.

Raise3D printers have enjoyed an award winning legacy including: **"3D Printer of the Year"** award from international tech authority Make magazine (along with the annual cover). ALL3DP, the largest global 3D printing evaluation organization, awarded Raise3D **"Best 3D Printer"** and **"Best Large Format 3D Printer"**.

In addition to designing and manufacturing 3D printers used by many of the world's biggest companies, Raise3D also develops powerful slicing software (ideaMaker), an enterprise level cloud-based print management platform (RaiseCloud), and professional consulting services and technologies that result in a one-stop flexible manufacturing solution for our customers.



Raise3D US



Raise3D China



Raise3D Netherlands