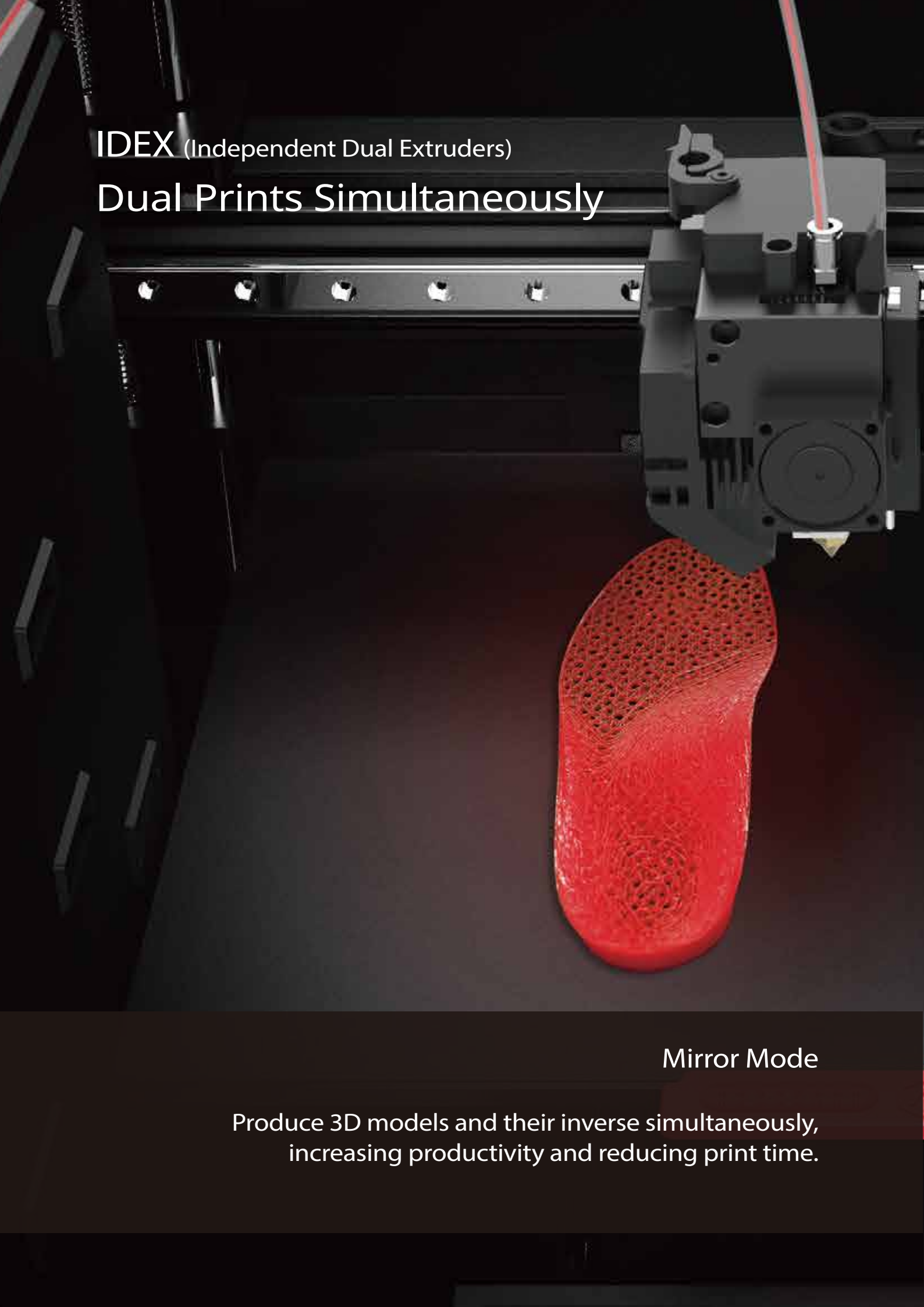
RAISE3D E2

Precise, Reliable, and Affordable

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

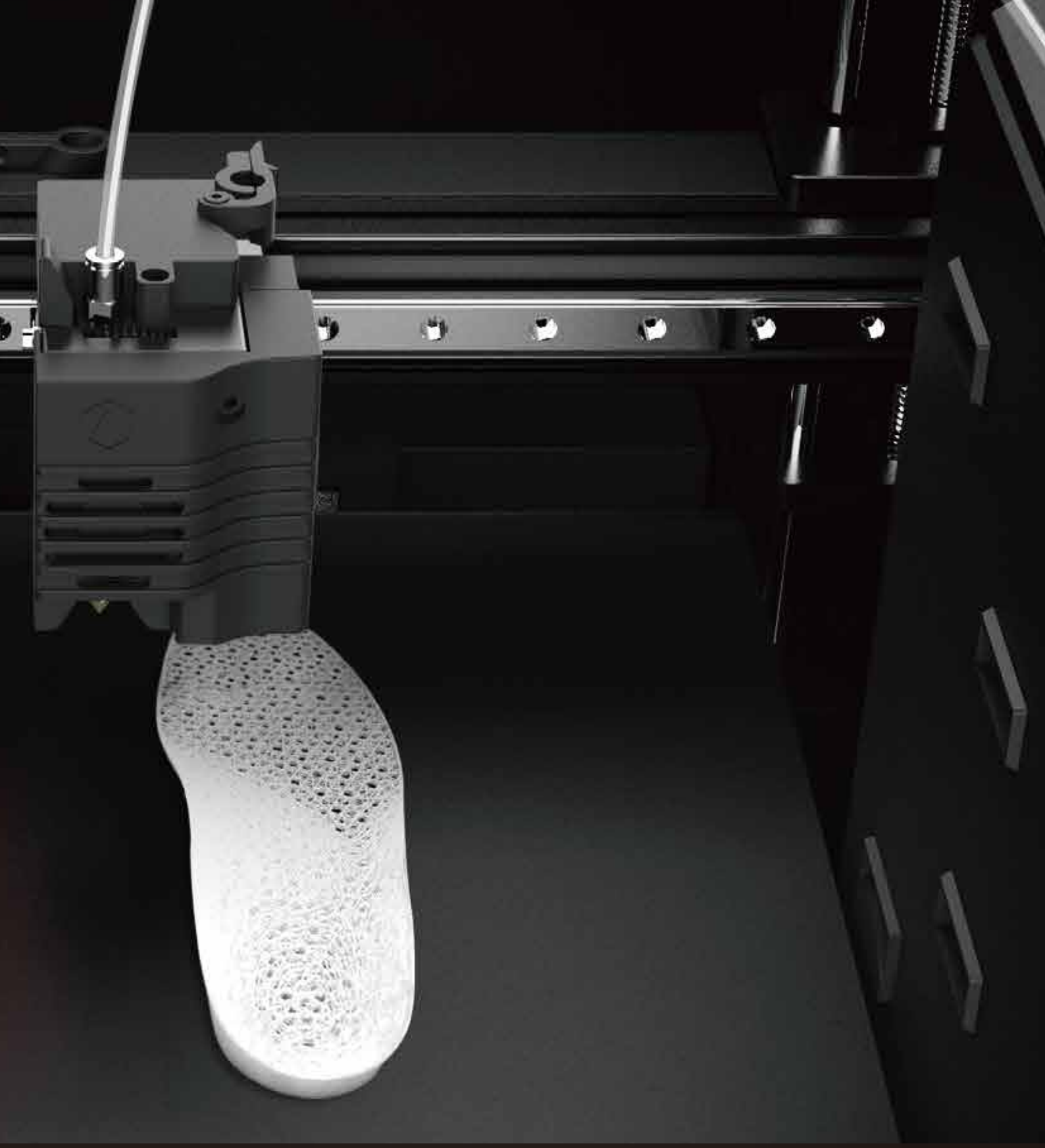


IDEX (Independent Dual Extruders)

Dual Prints Simultaneously

Mirror Mode

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

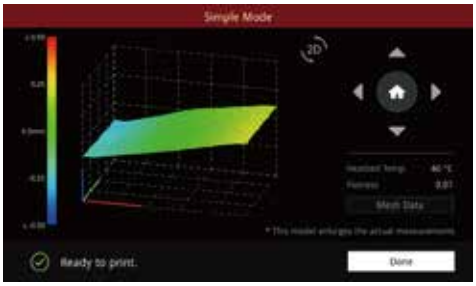


Duplication Mode

Use both extruders in synchronized printing, doubling production capabilities.

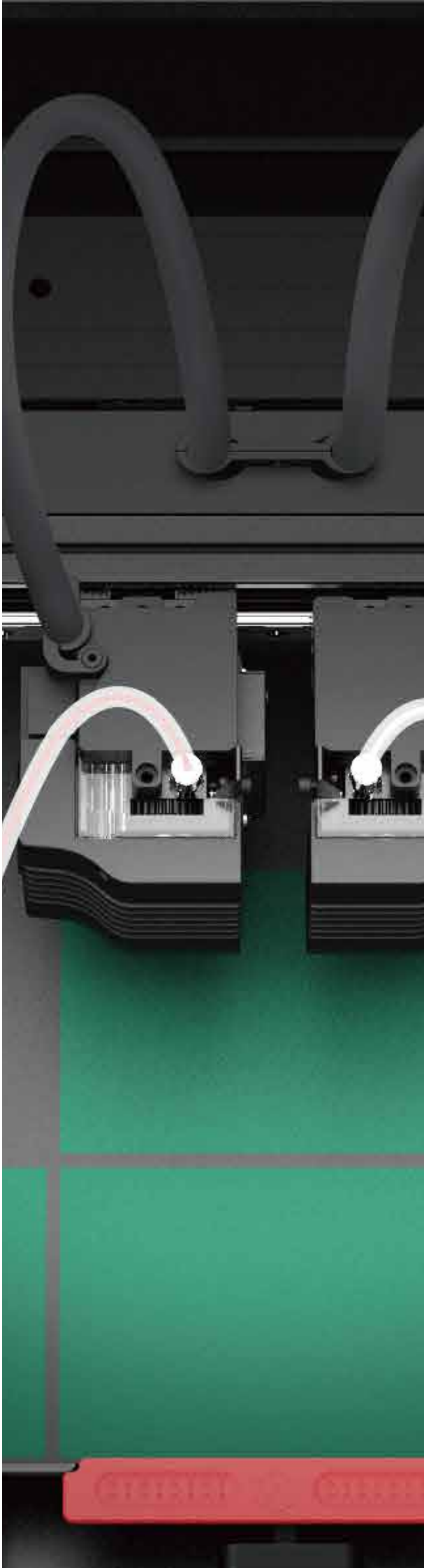
Auto Bed Leveling

Confirms that 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

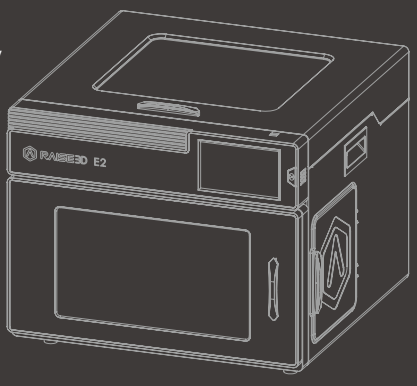
Easily remove prints from the flexible build plate while minimizing potential print damage to quickly return to printing.

Variety of Material Compatibility

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

More Features

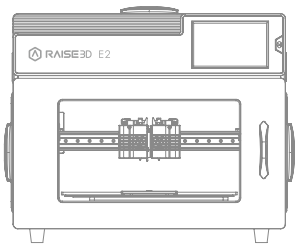
- Power Loss Recovery
- Filament Run-out Sensor
- Remote Video Monitoring



- 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
	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 ºC
	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 ºC
	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, 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	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.

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