

RAISE3D Pro3 Series



Agile Production
Made Simple



Large Build Volume



Flexible Build Plate



Auto Bed Leveling



Dual Extruder



EVE Smart Assistant



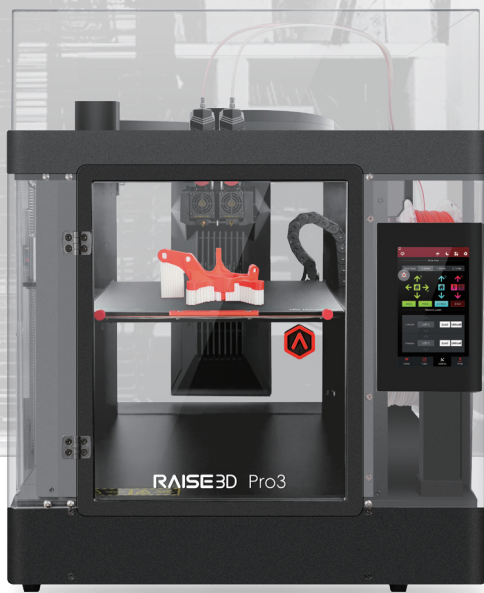
Air Flow Manager



HEPA Filter



Modular Extruder Design



Pro3



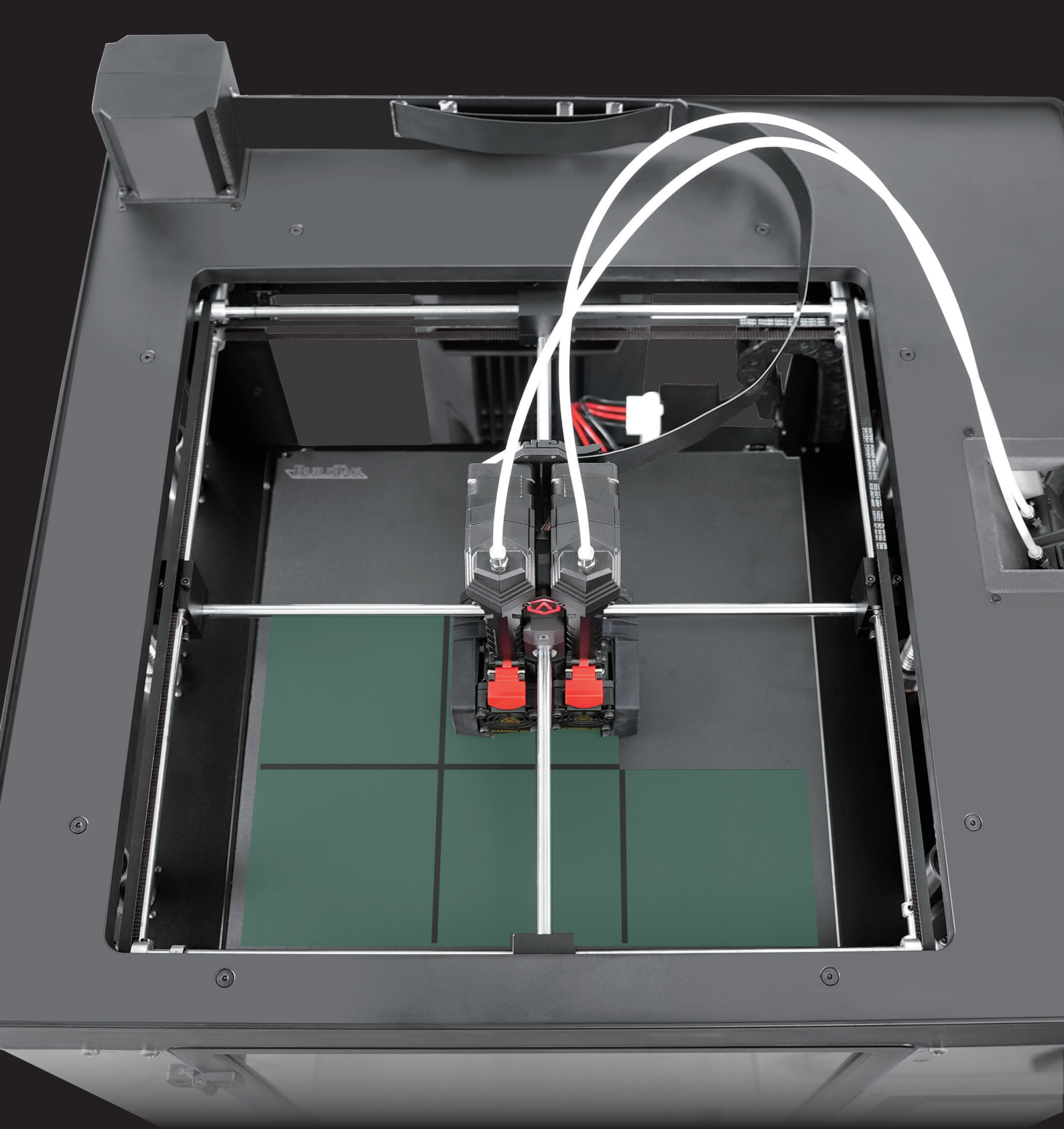
Pro3 Plus

Forged from the Pro2 Series, Raise3D's newly launched Pro3 Series 3D printers fulfill the requirements of large-scale production and multi-sized rapid prototyping, with high precision and round-the-clock stable operation. A high-quality printer design that includes enhanced features and a smart assistant system known as EVE, all of which make the Pro3 Series an excellent option for professional 3D printing.



Modular Extruder with Interchangeable Hot End

- The Pro3 Series is equipped with a modular extruder with a dual extrusion system. This allows the Pro3 Series to print using a variety of filaments, reduce clogging, and allow the convenient disassembly and replacement of components.
- The hot end of the Pro3 Series is easy to remove, making it simple to replace and maintain.
- Users can also easily take off the front cover of the extruder to accurately locate common printing occurrences such as filament jams.



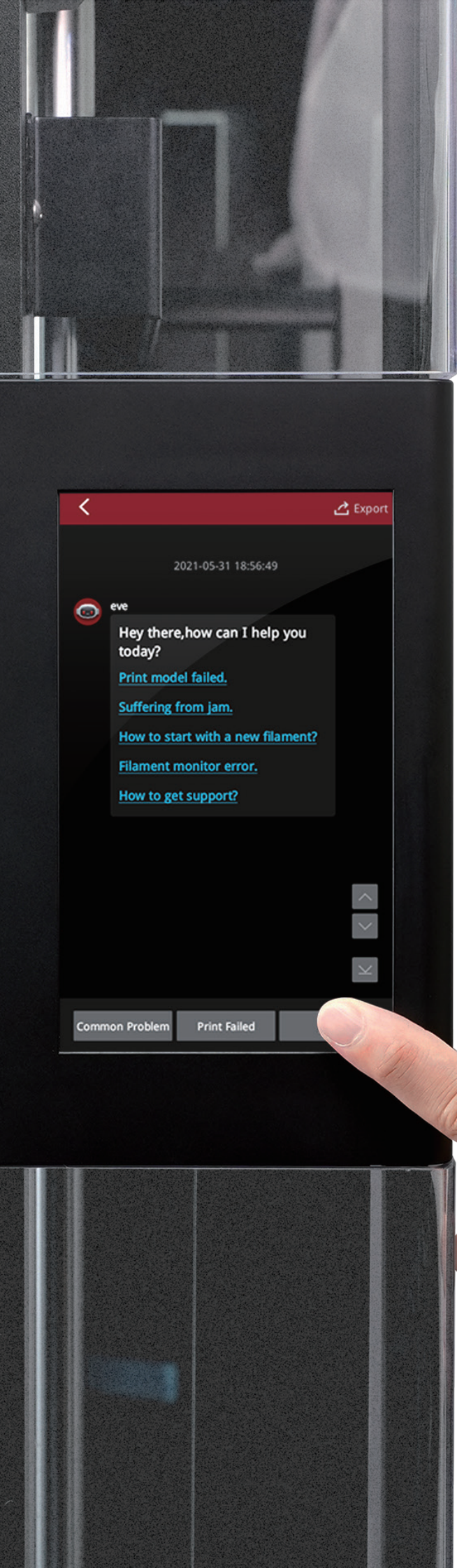
Auto Bed Leveling

Auto bed leveling improves bed adhesion and allows the nozzle to adjust to even the most minor surface contour changes.

Flexible Build Plate

The flexible build plate can be used to easily remove printed parts while minimizing potential damage to the final print. The Pro3 Series is also compatible with a rigid build plate, as well as a high-temperature borosilicate glass build plate.





EVE Smart Assistant

- The EVE assistant can guide users to accurately locate and resolve issues that may affect printing performance.
- The EVE assistant can remind users when to correctly perform regularly scheduled maintenance on the printer, keeping it in optimal condition.
- The EVE assistant makes 3D printing maintenance more convenient by offering more solutions at the user's end, reducing the time and effort typically needed on maintenance, looking for and contacting technical support.

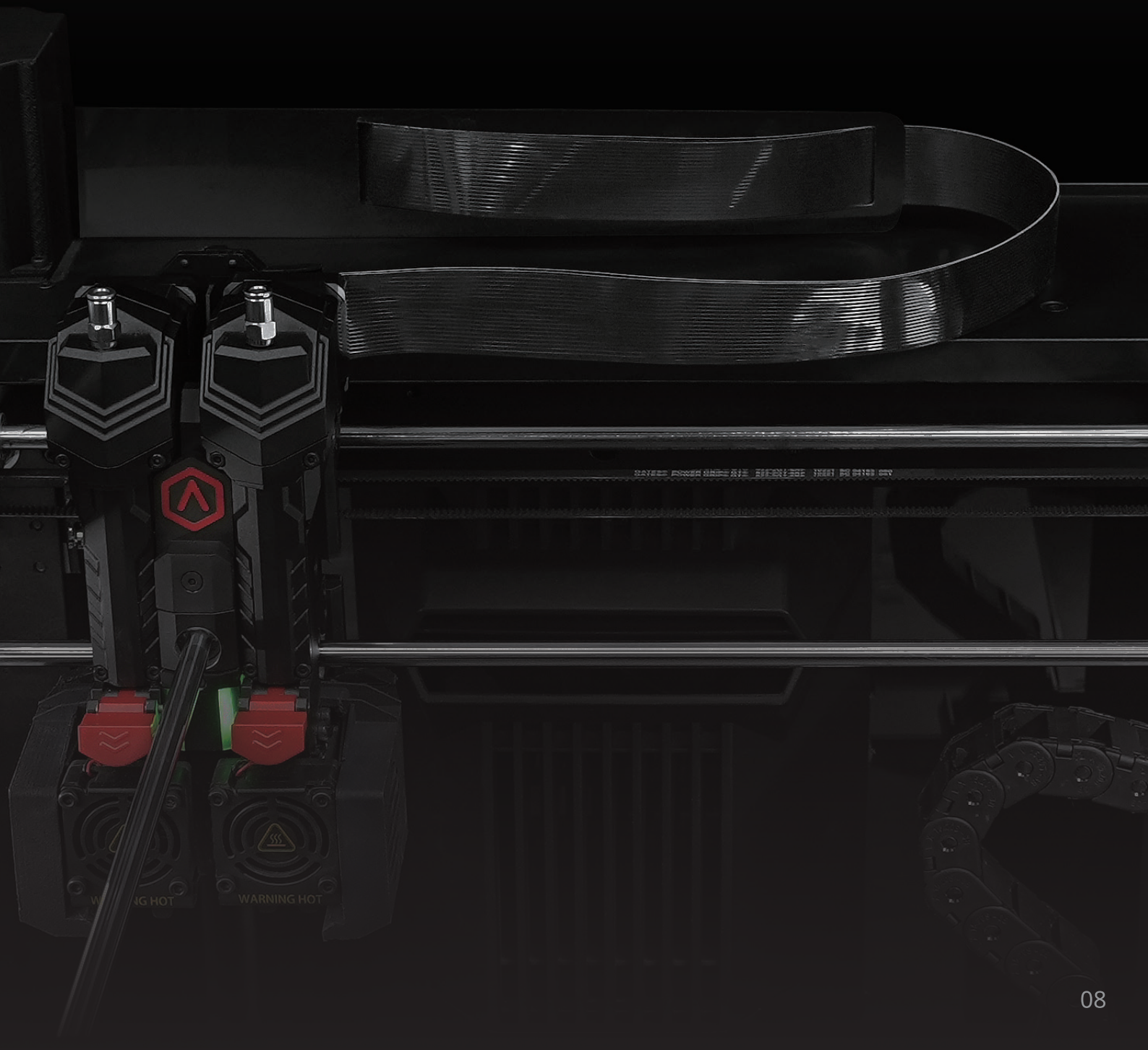
Air Flow Manager & HEPA Air Filter

- The Air Flow Manager of the Pro3 Series improves heat dissipation and air circulation, and creates a stable environment inside the print chamber. Equipped with a HEPA air filter, Air Flow Manager can also filter and clean the air inside the chamber.
- The Pro3 Series uses HEPA air filtration to clean the air of any particles (including nano-particles) released during the 3D printing process. The HEPA air filter operates silently, quietly working in the background of any work area.



Lightweight Cable with Digital Temperature Measurement

The Pro3 Series replaces the drag chain cable with a lightweight cable, to reduce the weight of the extruder and keep the center of gravity in the middle during printing for more stable print quality. The Pro3 Series also uses digital temperature measurement, for an accurate temperature reading to help prevent jamming.



More Features

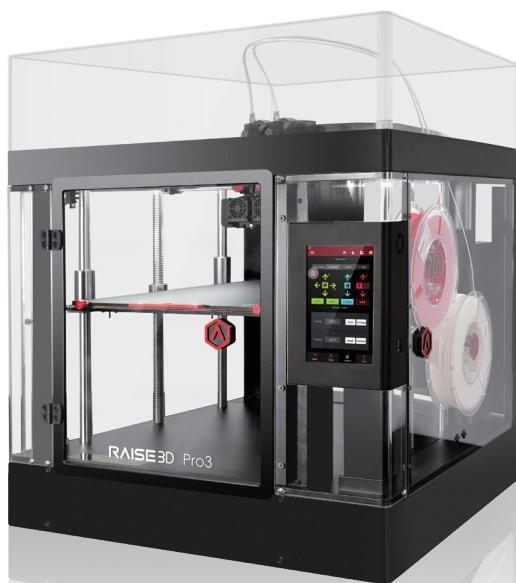
- Power Loss Recovery
- Z-axis Rod Stiffness Increased
- Fast Nozzle Switching
- Automatic Pausing with Door/ Lid Sensors
- Filament Run-out Sensor
- One-Touch Sleep Mode

Pro3 Plus

11.8 × 11.8 × 23.8 inch
300 × 300 × 605 mm

Pro3

11.8 × 11.8 × 11.8 inch
300 × 300 × 300 mm



Printer	Pro3	Pro3 Plus
Build Volume (W × D × H)	Single Extruder Print: 300 × 300 × 300 mm	Single Extruder Print: 300 × 300 × 605 mm
	Dual Extruder Print: 255 × 300 × 300 mm	Dual Extruder Print: 255 × 300 × 605 mm
Machine Size (W × D × H)	620 × 626 × 760 mm	620 × 626 × 1105 mm
Electrical	Power Supply Input 100-240 V AC, 50/ 60 Hz Power Supply Output 230 V @ 3.3A 24 V DC, 600 W	
General	Print Technology FFF Print Head System Dual-head with electronic lifting system 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 120°C Heated Bed Material Silicone Build Plate Leveling Mesh-leveling with Flatness Detection Filament Run-out Sensor Available Supported Materials PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/ Glass Fiber Infused/ Carbon Fiber Infused/ Metal Fill/ Wood Fill Layer Height 0.01-0.25 mm Nozzle Diameter 0.4 mm (Default), 0.2/ 0.6/ 0.8/ 1.0 mm (Available) Max Nozzle Temperature 300°C Connectivity Wi-Fi, LAN, USB port, Live camera Noise Emission (Acoustic) < 55 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 Filter HEPA filter with activated charcoal EVE Smart Assistant Available	
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 Power Loss Recovery Available Screen Resolution 1024 × 600 Motion Controller Atmel ARM Cortex-M4 120 MHz 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	

Capable of Printing a Variety of Filaments Up to 300°C

PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/ Glass Fiber Infused/
Carbon Fiber Infused/ Metal Fill/ Wood Fill



Software Solution



1

Data Preparation



Open Filament Program
Third-party slicing profile database



Raise3D Academy
All-in-one 3D printing knowledge base

2

Data Conversion



ideaMaker
Powerful 3D slicer software



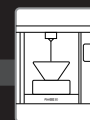
ideaMaker Library
User community and slicing profile sharing platform

3

Printing Management



RaiseCloud
Remote management cloud platform



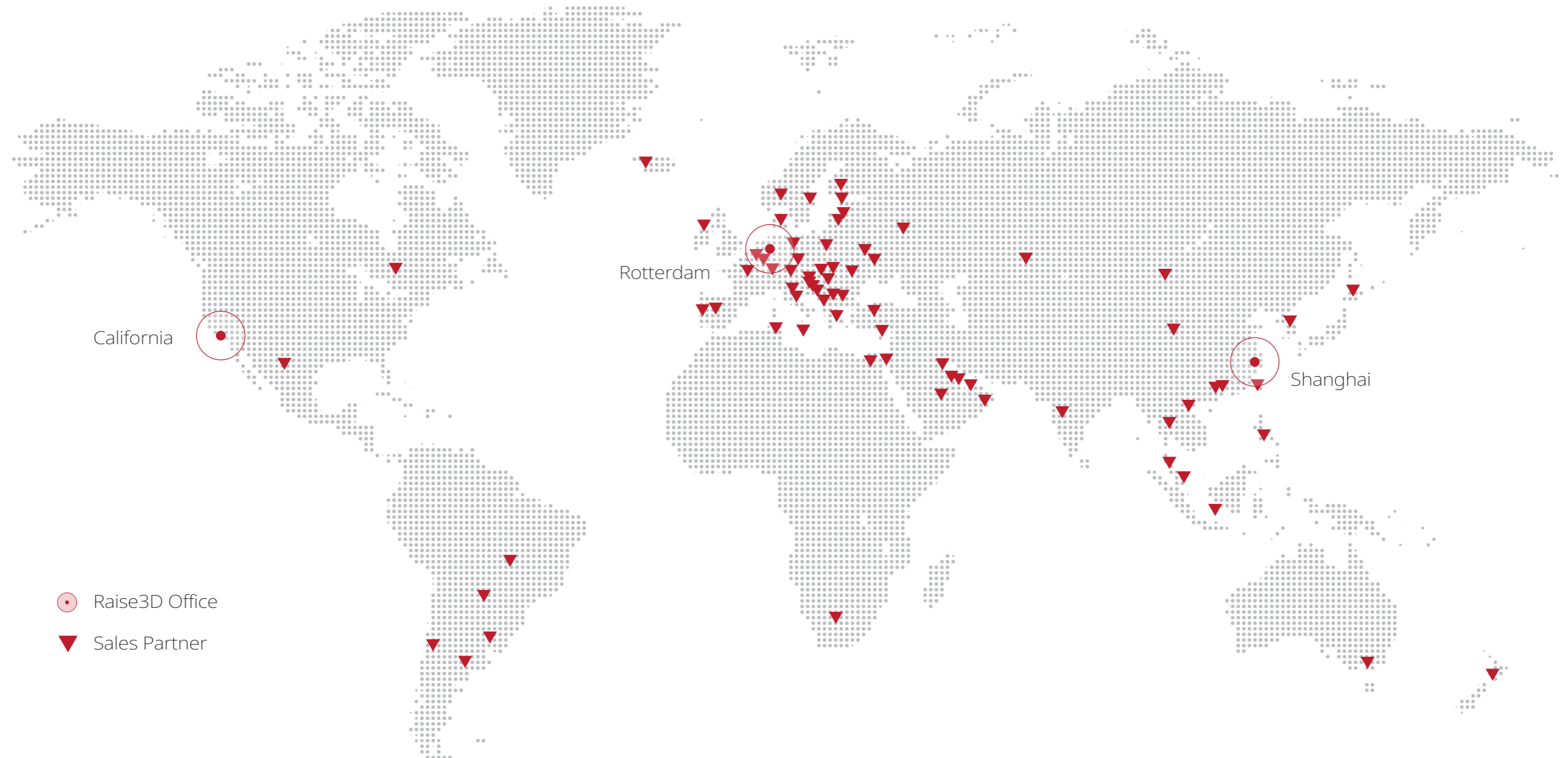
Raise3D Printers
FFF 3D printers with wide applications

About Raise3D

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.



43 Tesla, Irvine, CA 92618
USA
+1-888 963 9028

Stationsplein 45
Unit A4.004 3013AK Rotterdam
the Netherlands

Floor 4 B5, 1688 North Guoquan Road,
Yangpu District Shanghai 200438
China

inquiry@raise3d.com

