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

Independent Modular Extruder Design

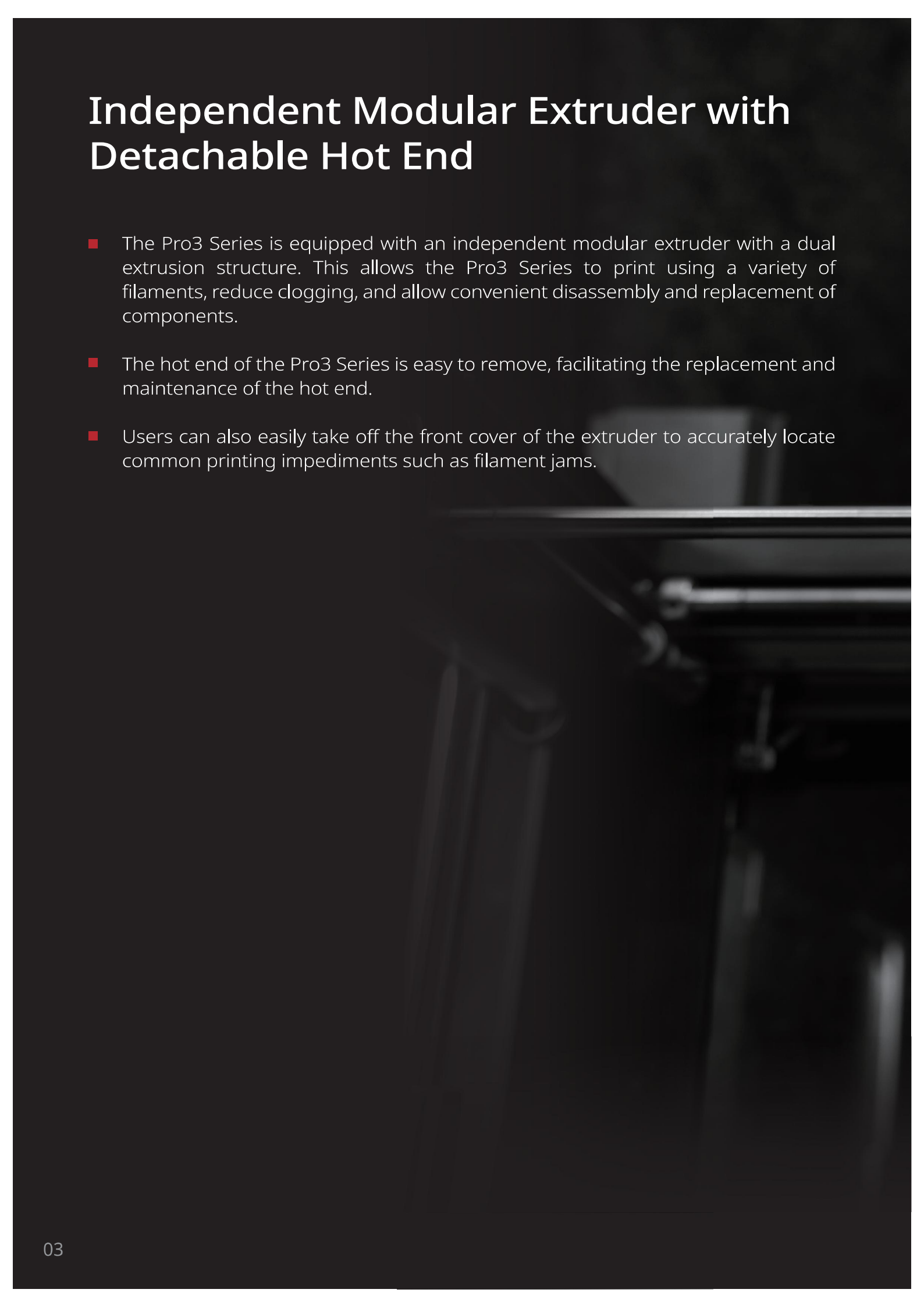


Pro3 **Pro3 Plus**

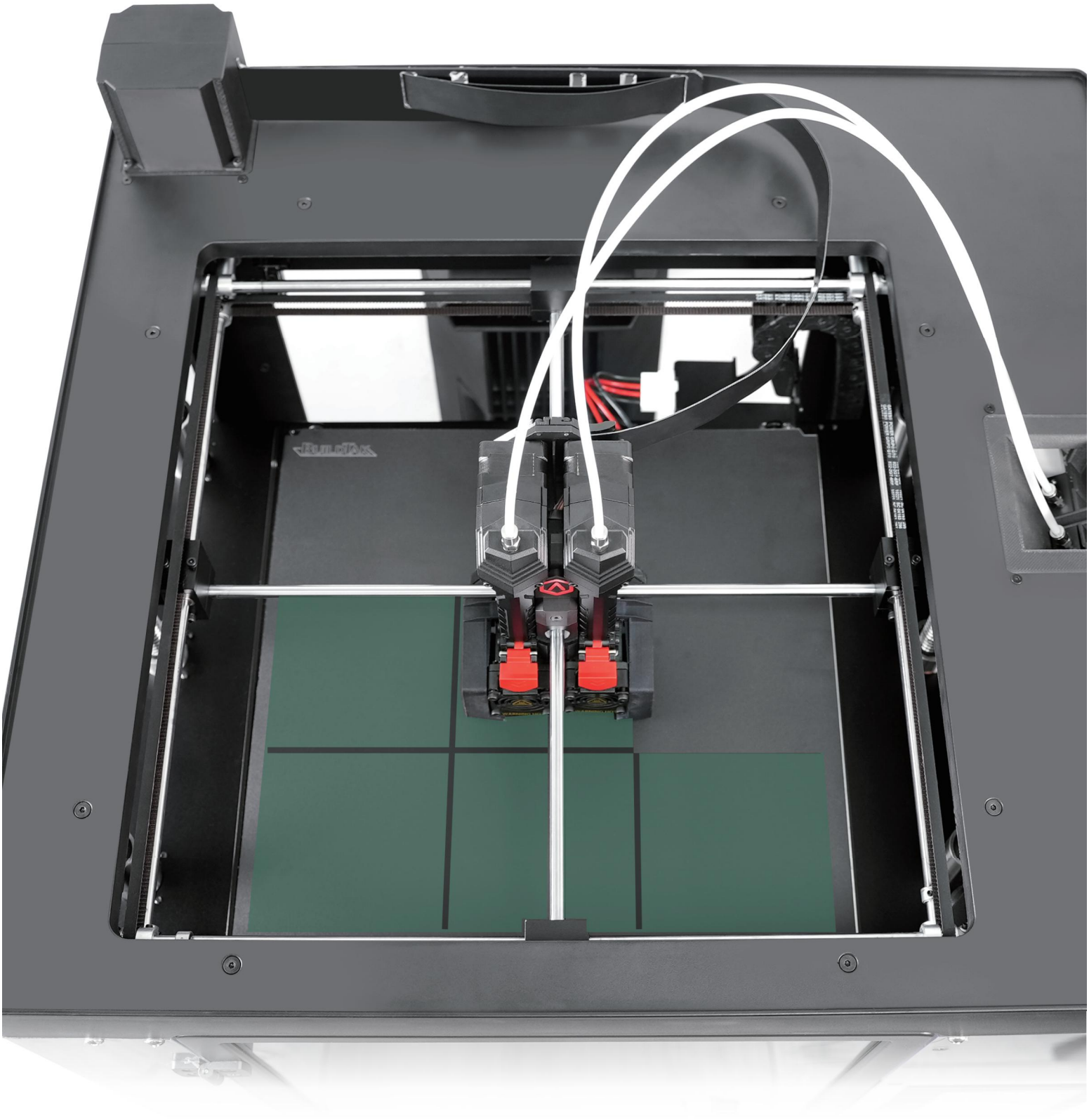
Forged from the Pro2 Series, Raise3D's newly launched Pro3 Series 3D printers meet the needs of both production and multi-sized rapid prototyping, with high precision and round-the-clock stable operation, fulfilling the requirements of large-scale production and multi-sized rapid prototyping. A high-quality 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.

Independent Modular Extruder with Detachable Hot End

- The Pro3 Series is equipped with an independent modular extruder with a dual extrusion structure. This allows the Pro3 Series to print using a variety of filaments, reduce clogging, and allow convenient disassembly and replacement of components.
- The hot end of the Pro3 Series is easy to remove, facilitating the replacement and maintenance of the hot end.
- Users can also easily take off the front cover of the extruder to accurately locate common printing impediments such as filament jams.




WARNING HOT
WARNING HOT



Auto Bed Leveling

Auto bed leveling improves bed adhesion and allows the extruder to adjust to even the most minor of surface contour changes for better final print quality.

Flexible Build Plate

The flexible build plate can be bent to easily remove 3D printed parts while minimizing potential damage to the final print. The Pro3 Series is also compatible with metal build plate, and high temperature build plate made of 100% pure borosilicate glass.



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 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 accurate and anti-jamming temperature reading.

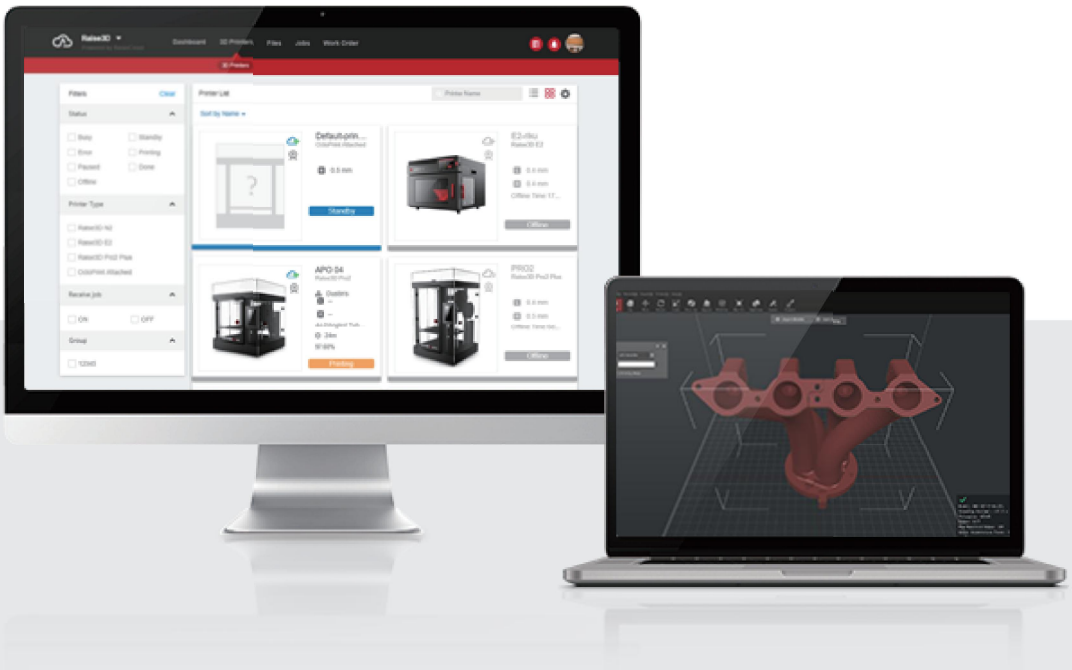




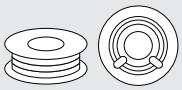
EVE Smart Assistant

- The EVE assistant can guide users to accurately locate and resolve issues that could affect the final print job.
- It has a function that gives users reminders about regular scheduled interventions to ensure that printer maintenance is performed on time.
- It also helps reduce maintenance time and communication costs for an efficient maintenance process.

Software Ecosystem



1 Data Preparation



Open Filament Program
Third-party slicing profile database



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



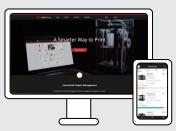
ideaMaker Library
User community and slicing profile sharing platform

2 Data Conversion



ideaMaker
Powerful 3D slicer software

3 Printing Management



RaiseCloud
Remote management cloud platform

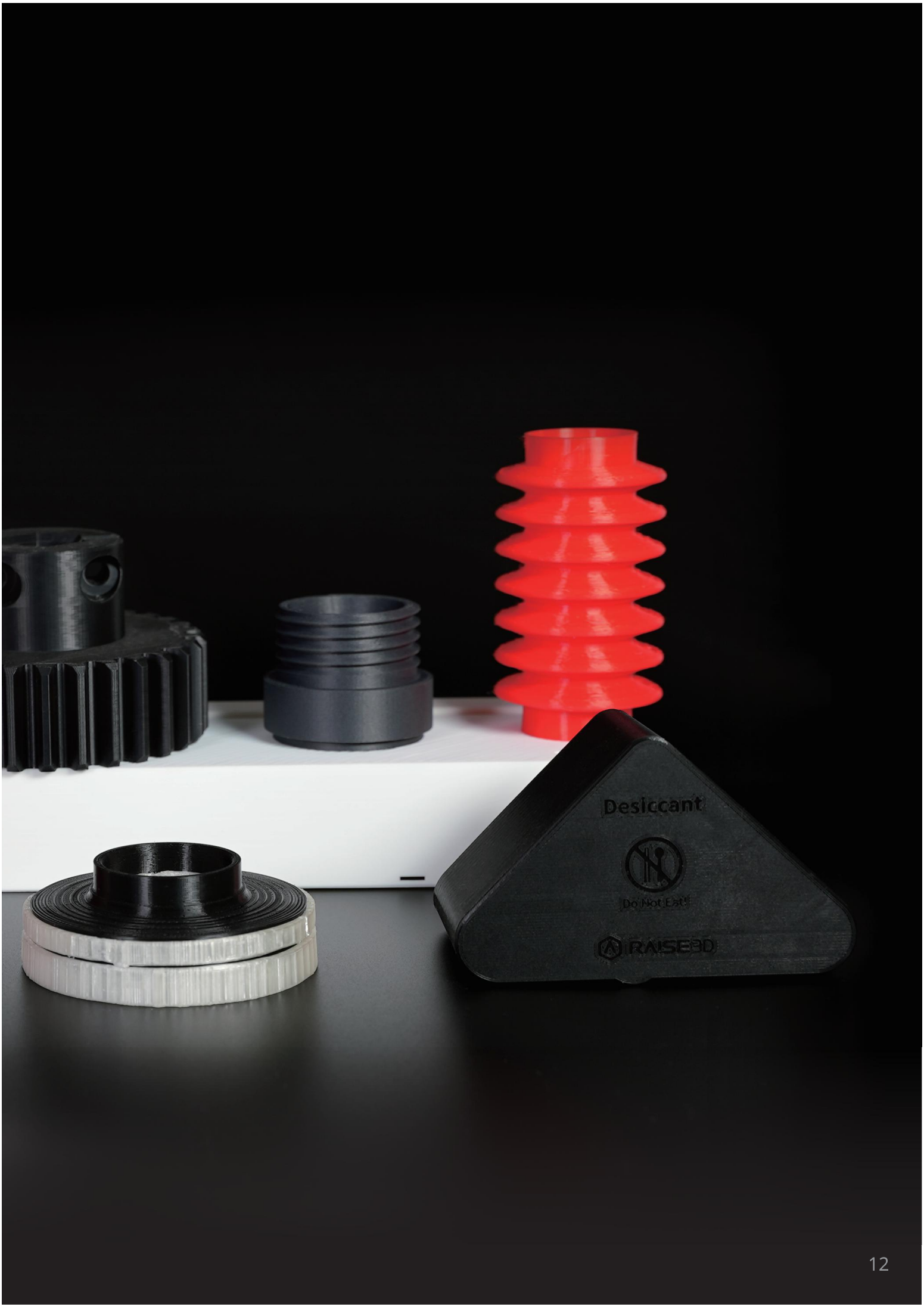


Raise3D Printers
FFF 3D printers with wide applications

Capable of Printing a Variety of Filaments Up to 300℃

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




Desiccant
Do Not Eat!
RAISE3D

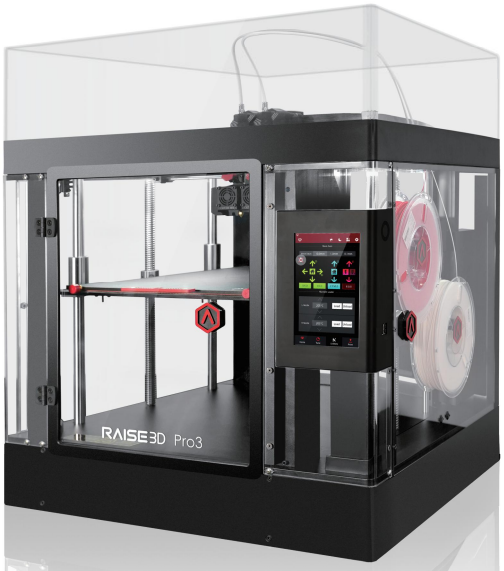
More Features

- Power Loss Recovery
- Z-axis Rod Stiffness Increased
- Fast Nozzle Switching
- Automatic Detection
- 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



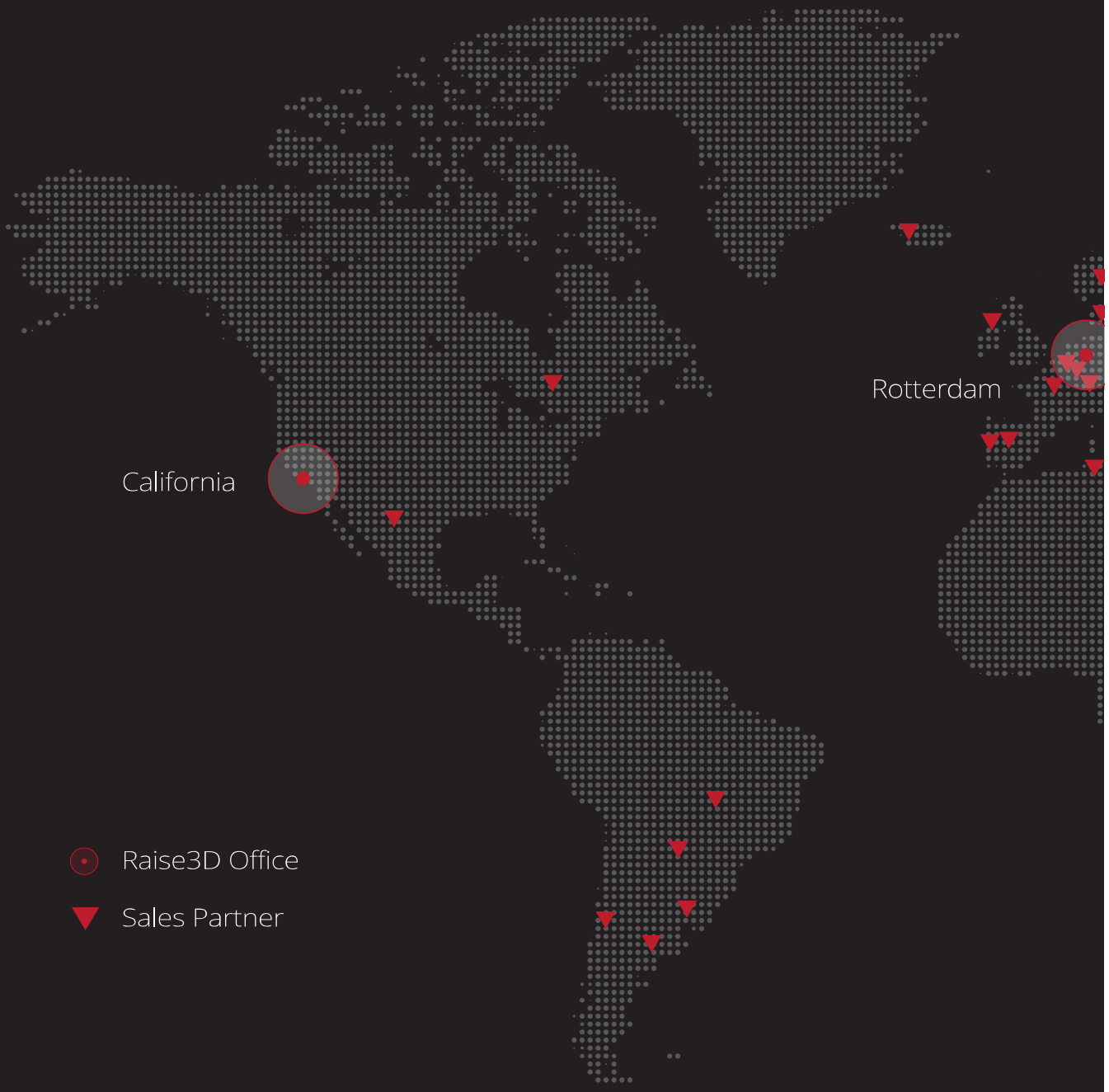
Printer	Pro3	Pro3 Plus
Build Volume (W×D×H)	Single Extruder Print: 300×300×300 mm	Single Extruder Print: 300×300×605 mm
	Dual Extruder Print: 255×300×300 mm	Dual Extruder Print: 255×300×605 mm
Machine Size (W×D×H)	620×626×760 mm	620×626×1105 mm
Electrical	Power Supply Input: 100-240 V AC, 50/60Hz 230 V @ 2A Power Supply Output: 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 - 0.25mm 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 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

Raise3D has become a global leader in manufacturing precise and reliable 3D printers, with h

Raise3D printers have enjoyed an award winning legacy including:"3D Printer of the Year" awa
largest global 3D printing evaluation organization, awarded Raise3D "Best 3D Printer" and "Be

In addition to designing and manufacturing 3D printers used by many of the world's biggest
cloud-based print management platform (RaiseCloud), and professional consulting services a



eadquarters in the U.S.A., China, and the Netherlands.

ard from international tech authority Make magazine (along with the annual cover). All3DP, the est Large Format 3D Printer".

t companies, Raise3D also develops powerful slicing software (ideaMaker), an enterprise level nd technologies that result in a one-stop flexible manufacturing solution for our customers.

