RAISE3D Pro3 Series

Agile Production
Made Simple

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Large Build Volume

Flexible Build Plate

Auto Bed Leveling

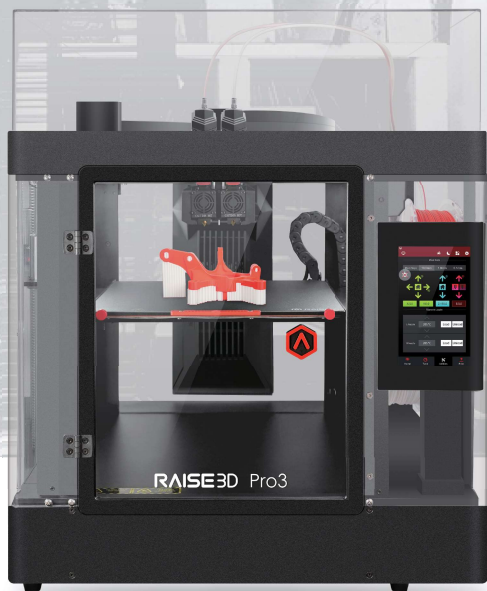Dual Extruder

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.
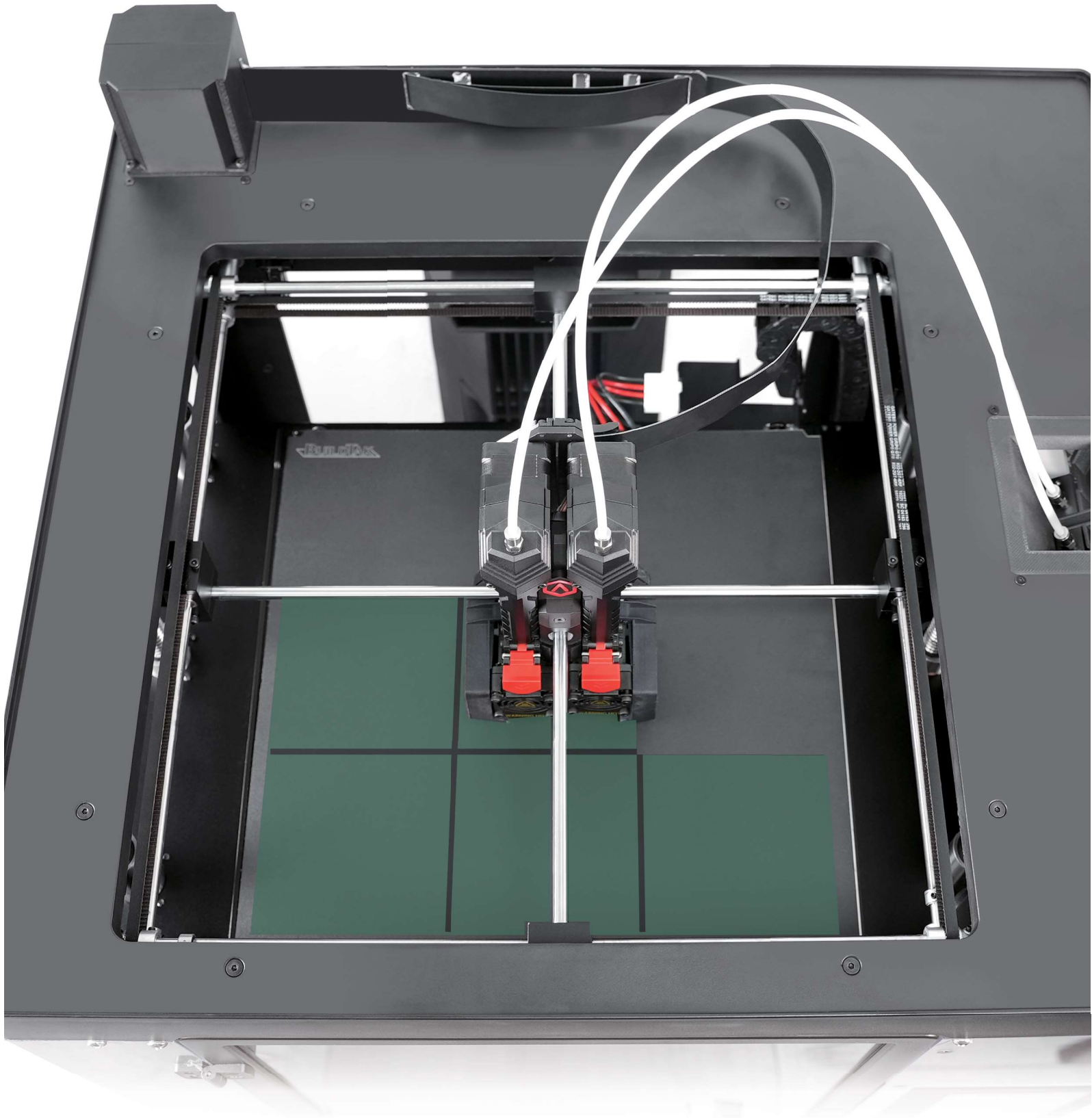
Auto Bed Leveling

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
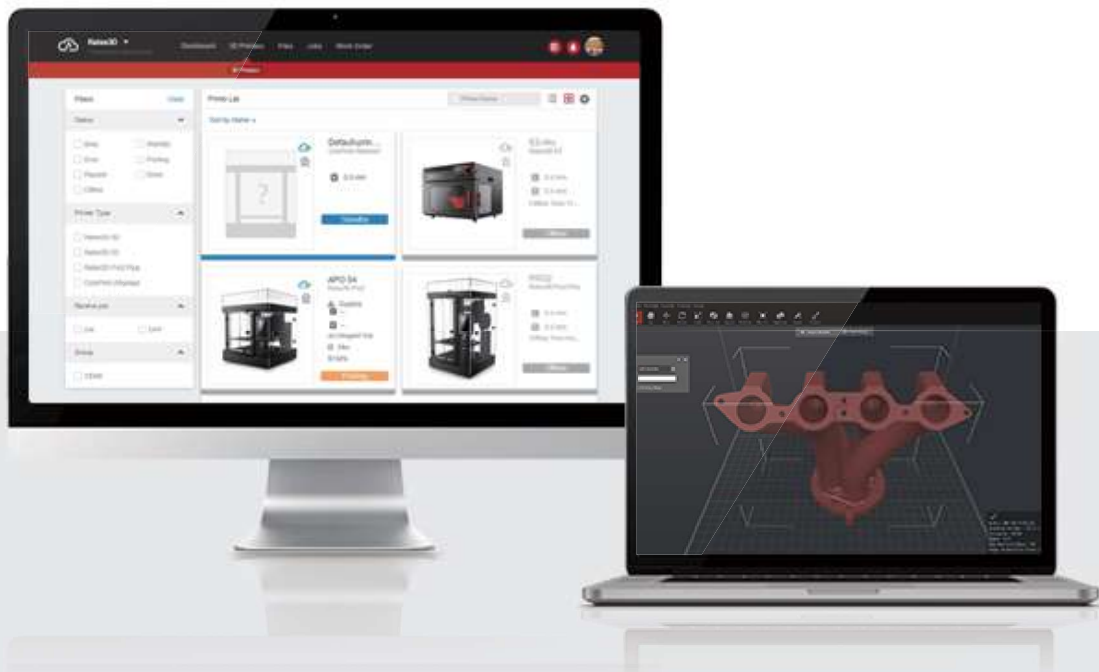
1 **Data Preparation**
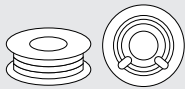
Open Filament Program
Third-party slicing profile database
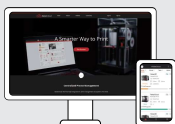
Raise3D Academy
All-in-one 3D printing knowledge base

ideaMaker Library
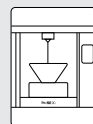User community and slicing profile sharing platform

2 **Data Conversion**

ideaMaker
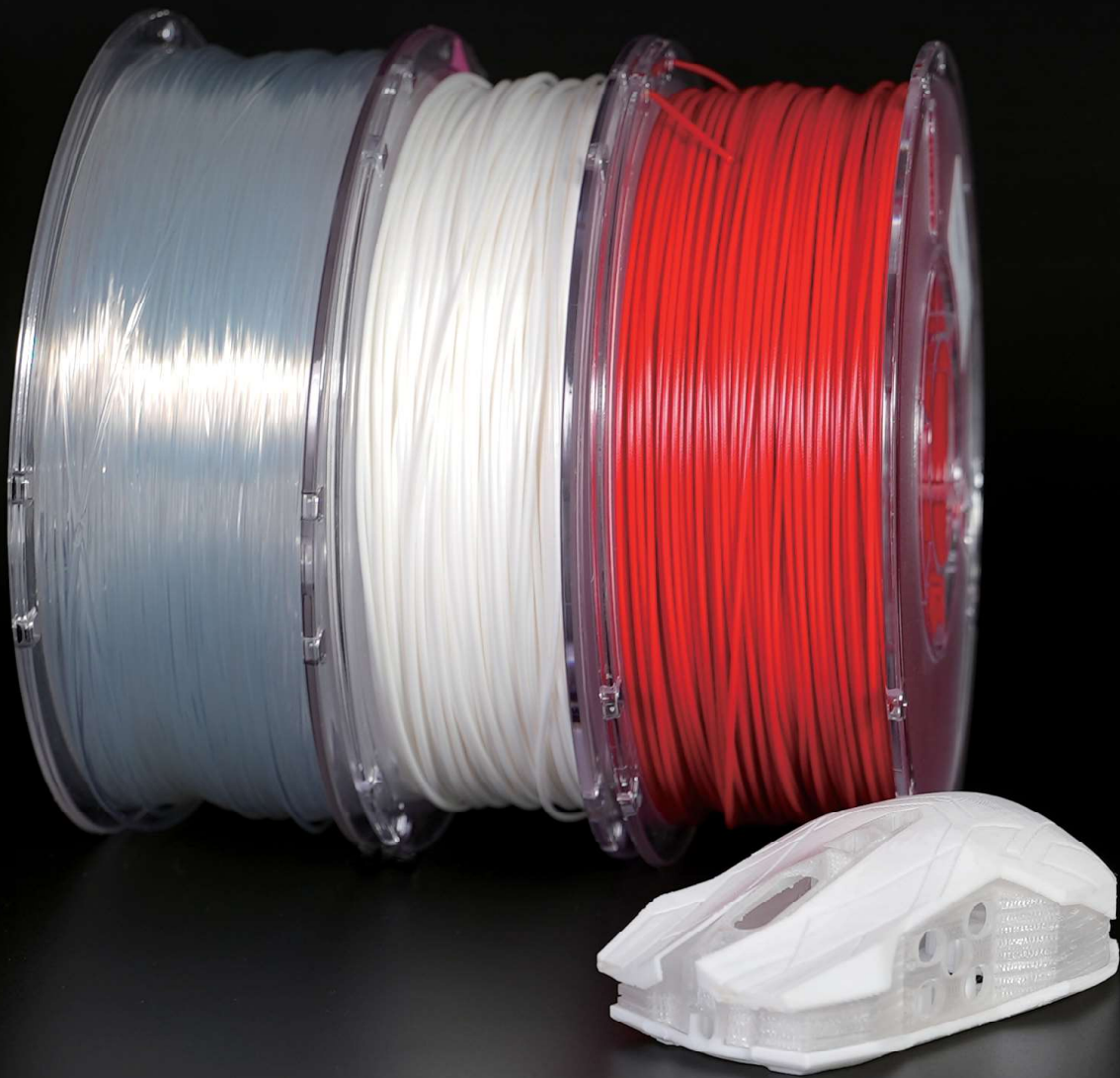Powerful 3D slicer software

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
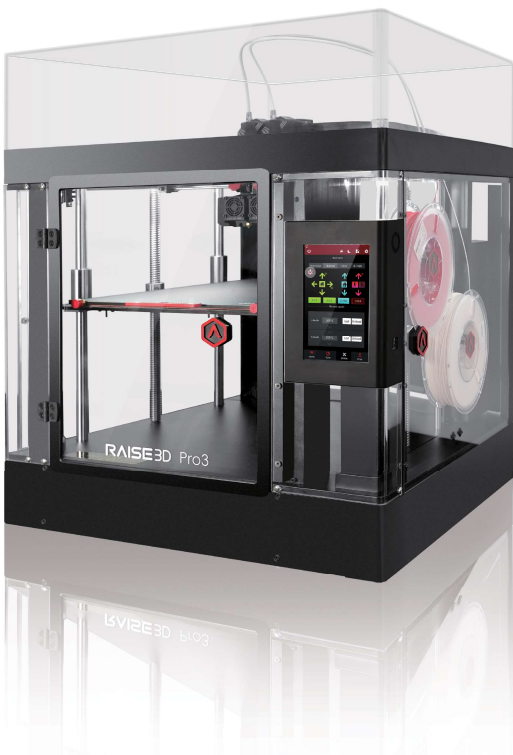
More Features

- 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

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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 ℃
	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 ℃
	Connectivity	Wi-Fi, LAN, USB port, Live camera
	Noise Emission (Acoustic)	< 55 dB (A) when building
	Operating Ambient Temperature	15-30 ℃, 10-90% RH non-condensing
	Storage Temperature	-25℃ to +55℃, 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 ar

Rotterdam

California

Raise3D Office

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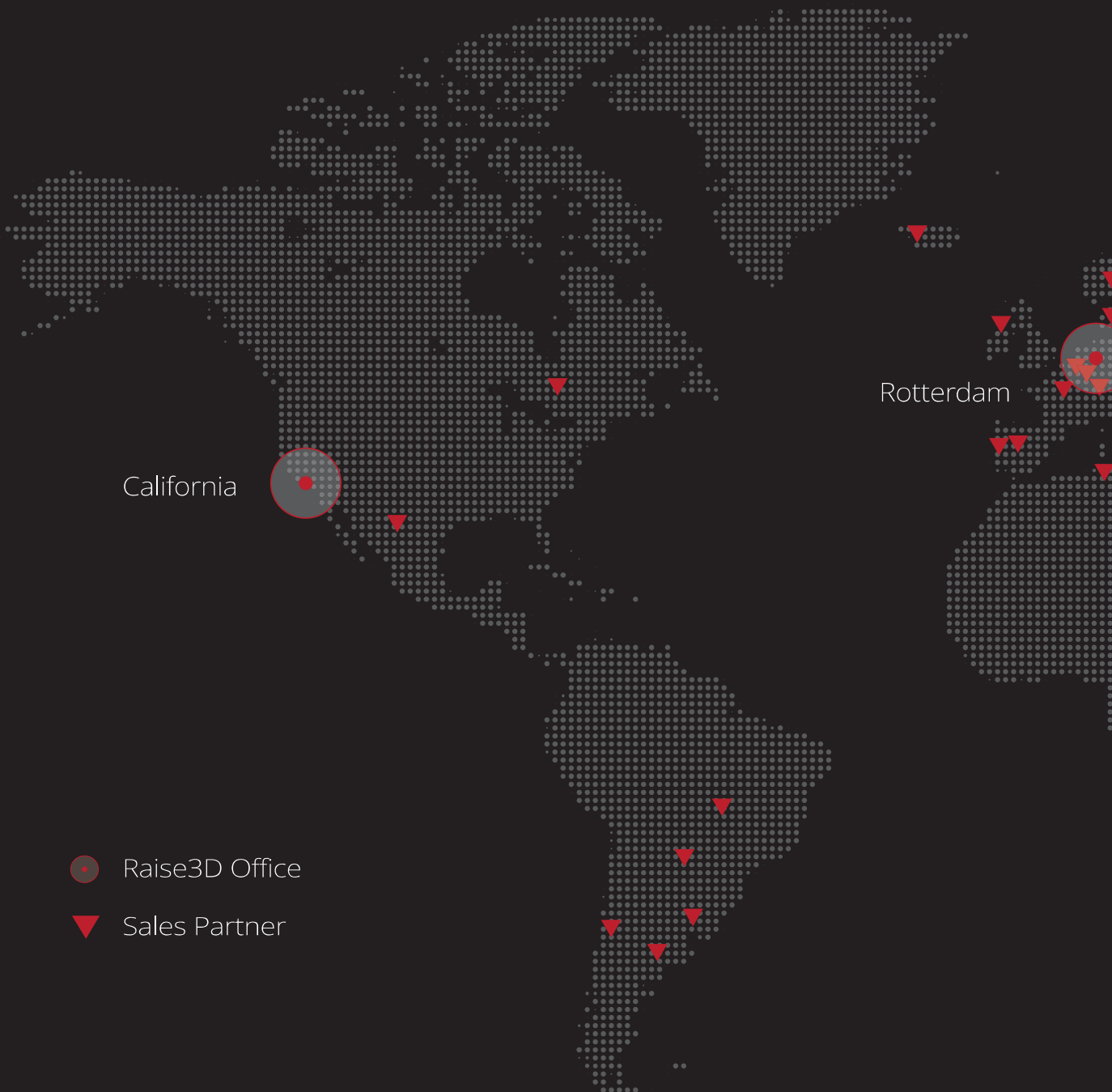
eadquarters in the U.S.A., China, and the Netherlands.

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.

Shanghai