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PATHFINDING
FLEXIBLE
MANUFACTURING

WWW.RAISE3D.COM

ABOUT US

RAISE3D, together with its pioneering customers, is pathfinding flexible manufacturing through the adoption of 3D printing, bringing meaningful advancement to the world.

By inspiring ingenuity with innovative 3D printing technology, we empower customers to develop and fabricate. Our award-winning 3D printers are built specifically for the needs of corporations that, like us, promote discovering, finding new routes and aim to be at the forefront of conceptualization and execution. Designed for flexibility, our printers are incredibly precise and easy to use, built for quality, and with effortless maintenance.

RAISE3D is among the fastest growing 3D Printing companies. With offices in California, Rotterdam and Shanghai, along with a global resellers' network, RAISE3D is paving its way through 3D Printing and is guaranteed to withstand the test of time and continue innovating and supporting in the many years to come.



User centric organization



Exceptional user experience



Reliable workhorse machine



Great features plus integrated software and hardware put this machine at the front of the pack.

Rated at 9.2/10 by its users with a 100% of them recommending the machine to others.

“There’s a lot to love about the N2 Plus starting with its size. The N2 Plus is big. It boasts a print size of 12×12×24” (305×305×610mm), making it one of the tallest commercially available machines on the market.

“The RAISE3D N2 is an excellent printer, great quality, great precision and reliable. I have had it over a year it has been printing almost non-stop and has required no maintenance.

The N2 Plus is fully enclosed, with a removable top lid (they suggest removing it for PLA prints for better cooling) and has a heated build plate. This means printing with materials that like to warp — like ABS — is a breeze with the N2 Plus.”

It works straight out of the box and it is a great choice for those looking to create engineering-grade prototypes or parts on a desktop machine.

Amazing machine that has managed everything I have thrown at it.”










----- Matt Stultz from Makezine.com

----- Reviews on 3d HUBS

THE NEW RAISE3D SERIES

Pro2 / Pro2 Plus

Industrial grade printer ready for short-run manufacturing.
Able to integrate a print factory.

-  Dual Extruder: Electronic driven lifting; 4× Increased torque performance
-  Massive Build Volume
-  Filament Sensor / Camera / Filter
-  Resume Print after Power Outage
-  32 Bit Motion Control Board
-  Diverse Filament Compatibility (300°C)
-  0.01mm Layer Height
-  7" Touch Screen
-  Wireless Compatibility



Pro2

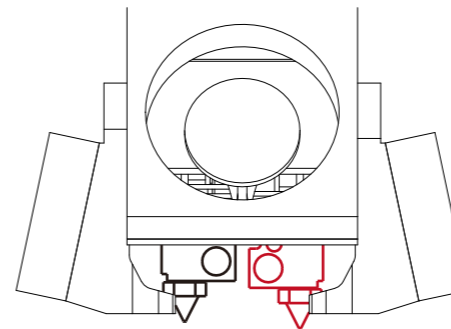
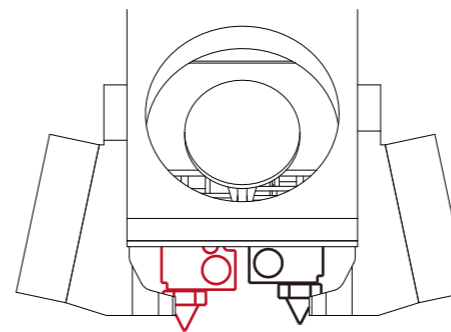


Pro2 Plus



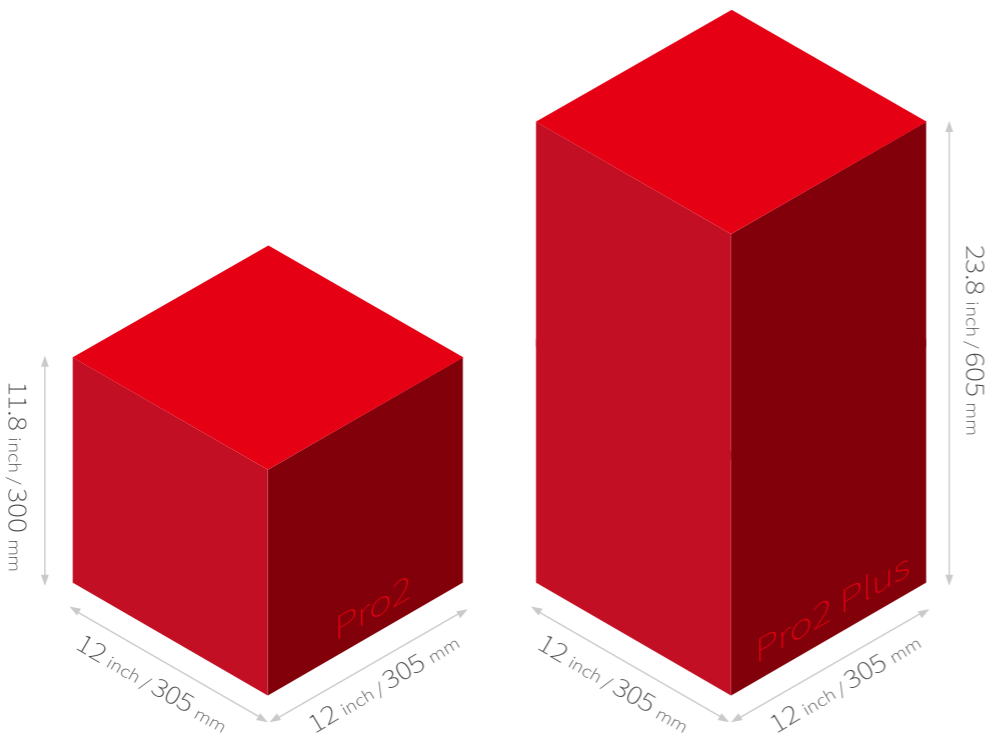
ELECTRONIC DRIVEN LIFTING DUAL EXTRUSION

Prints the most intricate projects.
Expedites works.
Multi-material prints.



- High repeatability. (<math><0.005\text{m}</math>, 5micron).
- Light speed, <math><1</math> second switching time.
- 1.5mm lifting distance, compatible with flexible filaments.
- Over 100,000 times reliability test passed.

AS HOT AS 300°C FOR MATERIAL COMPATIBILITY



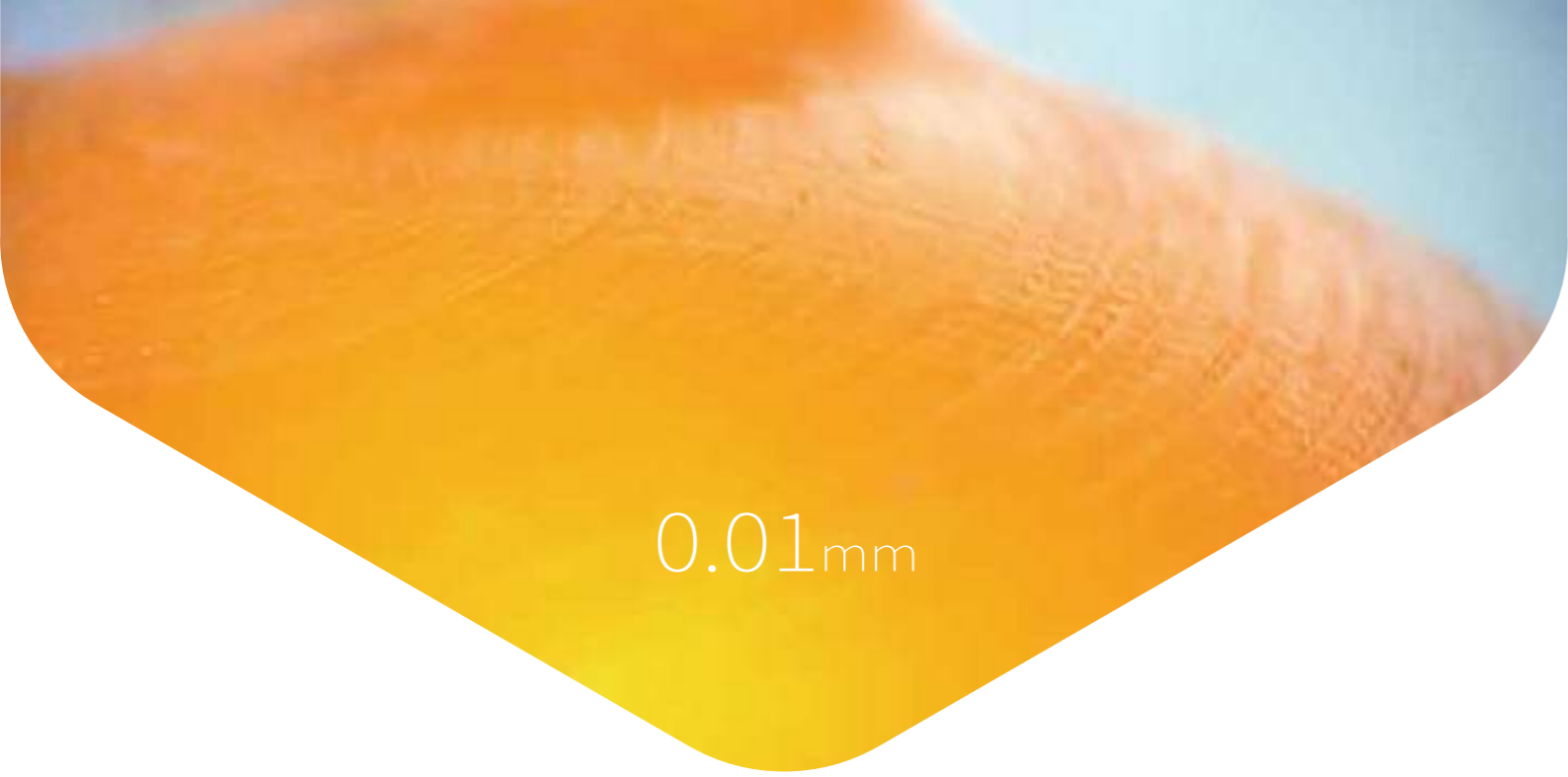
PLA	NYLON	TPU/TPE
ABS	PETG	GLASS FIBER FILLED
HIPS	ASA	WOOD-FILLED
PC	PP	CARBON FIBER ENFORCED

When Big Is Not Big Enough

Up To
12×12×23.8 inch
305×305×605 mm

24/7 Reliability by High-Strength Aluminum Frame





0.01mm

0.01MM LAYER HEIGHT

Unique motion system for superior part quality and resolution



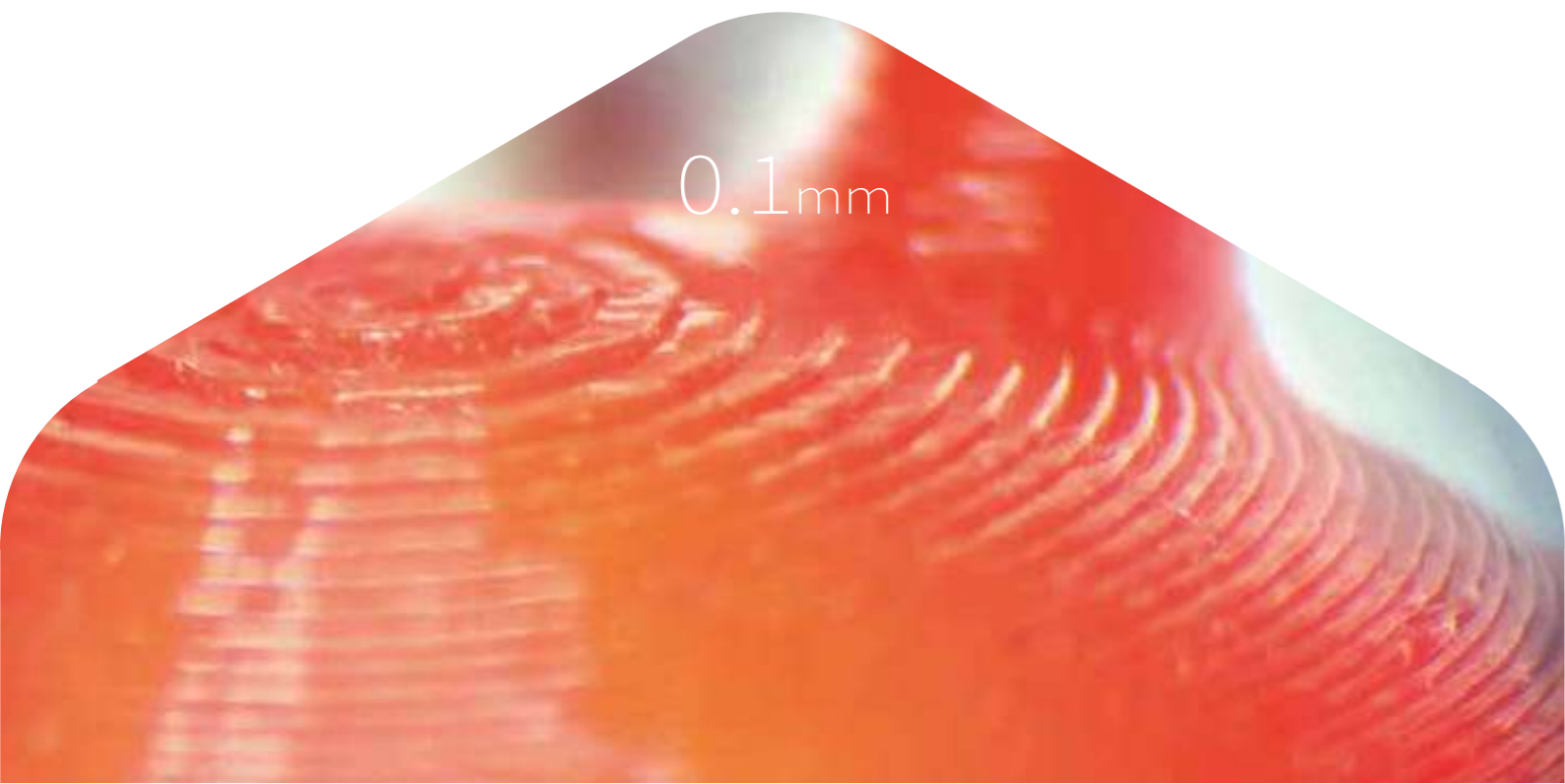
Unmatched layer resolution
0.01mm layer height



Interchangeable nozzle
0.2mm nozzle for finer X/Y spot size



Precise positioning
0.0125mm positioning resolution
on X/Y axis



0.1mm

SINGULAR USER EXPERIENCE

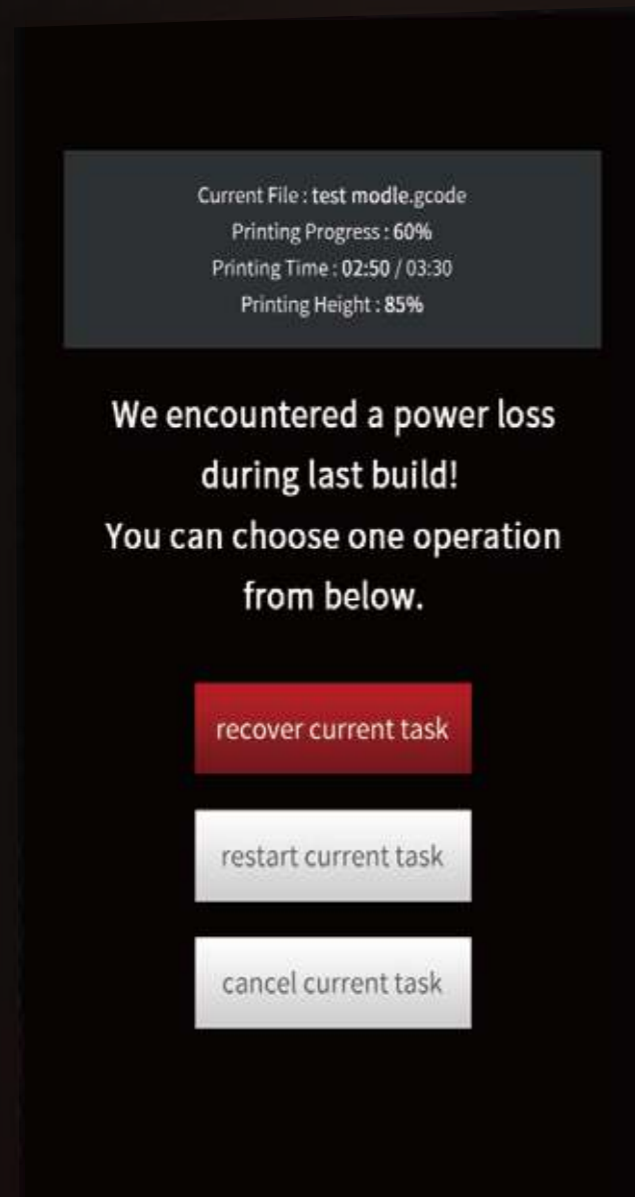
7-inch touch screen.

Visual interface / Rapid reviewing / Visual print progress / Full adjustment control



SECOND GENERATION POWER LOSS RESUMING

Never lose a print.



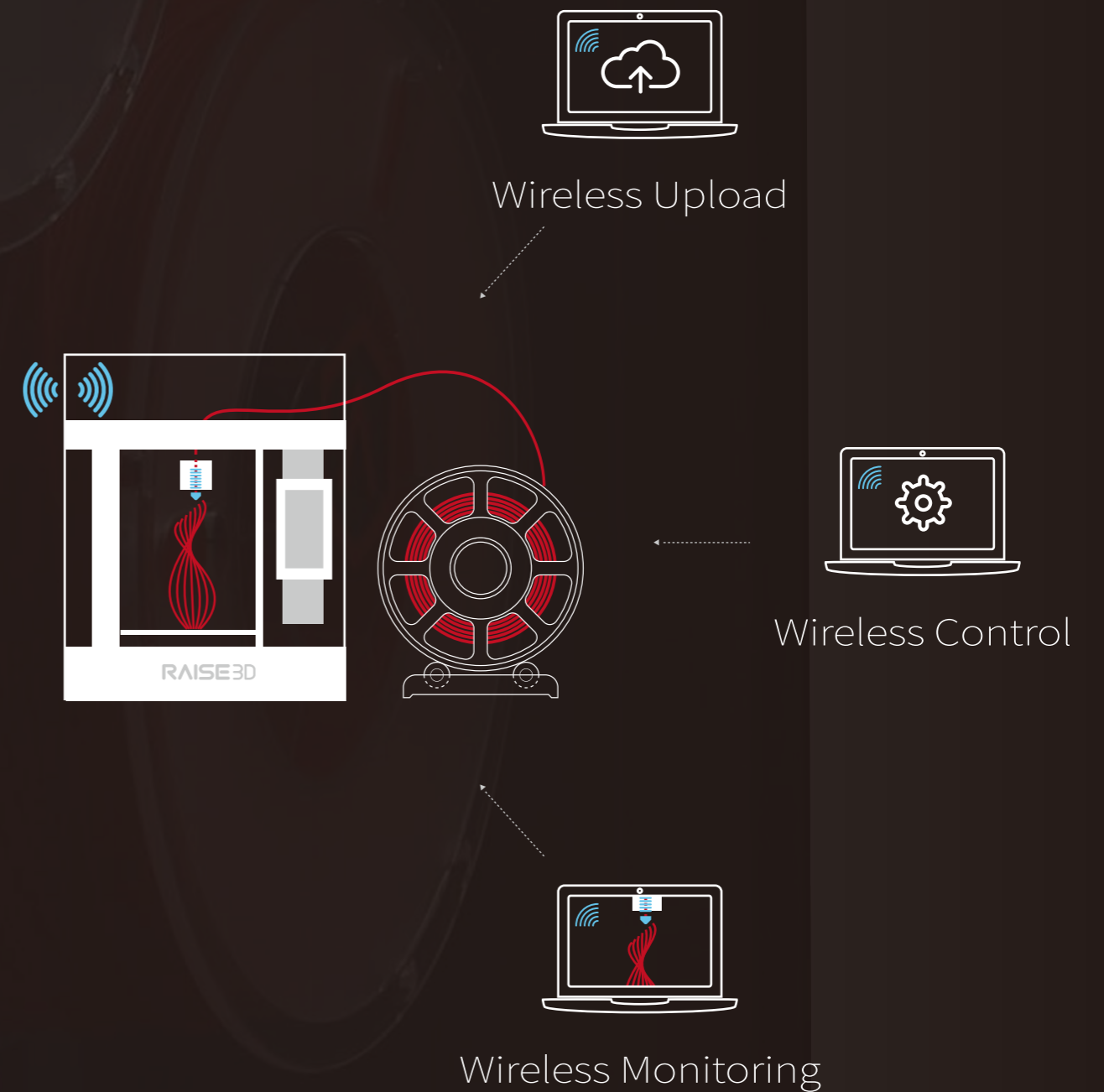
“I actually knocked off the power accidentally when i hit the cord when I was vacuuming, I was currently doing a 96 hours print with only 2 hrs left.

As I raised my head to scream in terror, I turned back on the machine and it asked me to continue print...THIS WAS A LIFESAVER!”

----- By Shon Robinson

WIRELESS PRINTING AND CONTROL

Operate efficiently with ideaMaker by connecting wirelessly to your Pro Series Printer.



NEXT GENERATION MOTION CONTROLLER



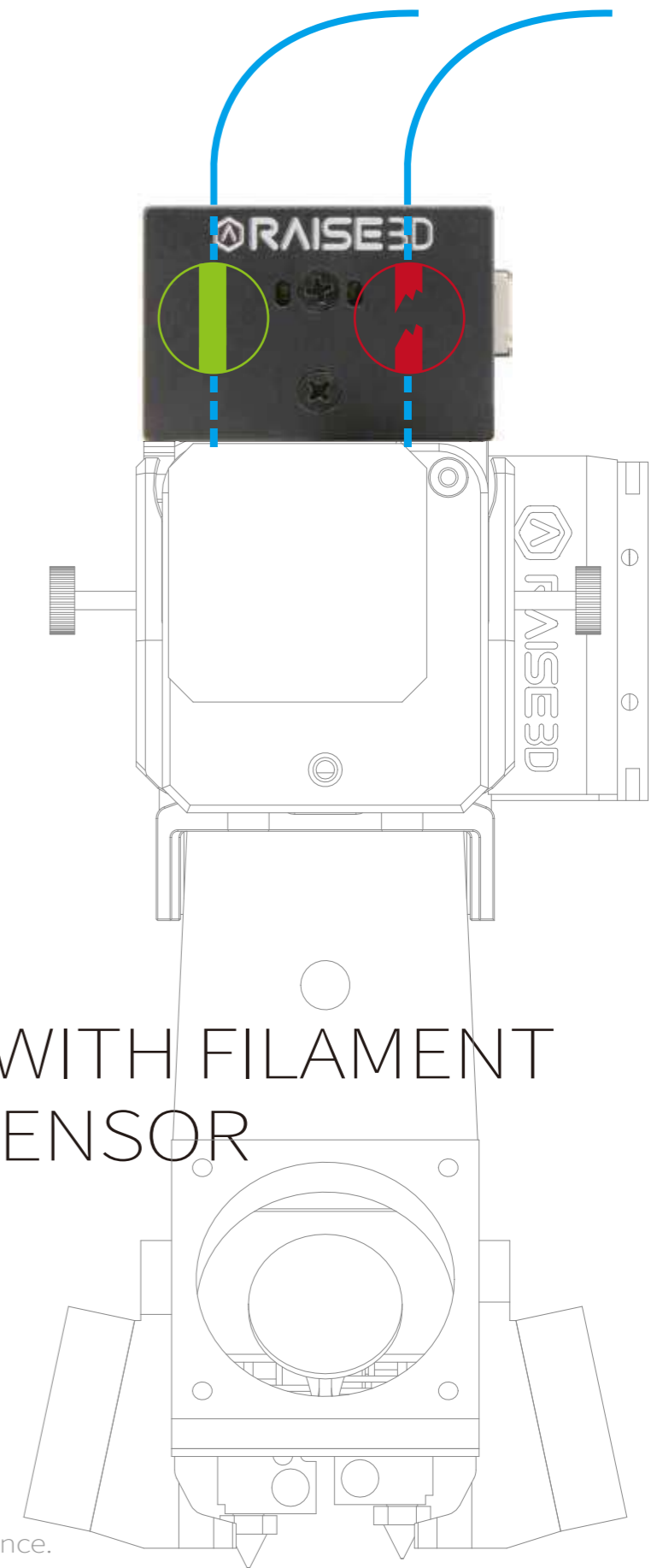
Top reliability.
Accurate current control.
Silky smooth movement.
Superior thermal performance.

- 400MHz ARM Cortex-M7 32bit RISC FPU.
- Industrial grade components.
- Standalone motor driver.
- 256 micro-steps driver system.

NEW EXTRUDER WITH FILAMENT RUN-OUT SENSOR

Better grip.
No slipping.
Safer prints.

- Dual gear driven.
- 4× Increased torque performance.
- Fluent and sensitive, optical run-out sensor.





NEW HEPA FILTER

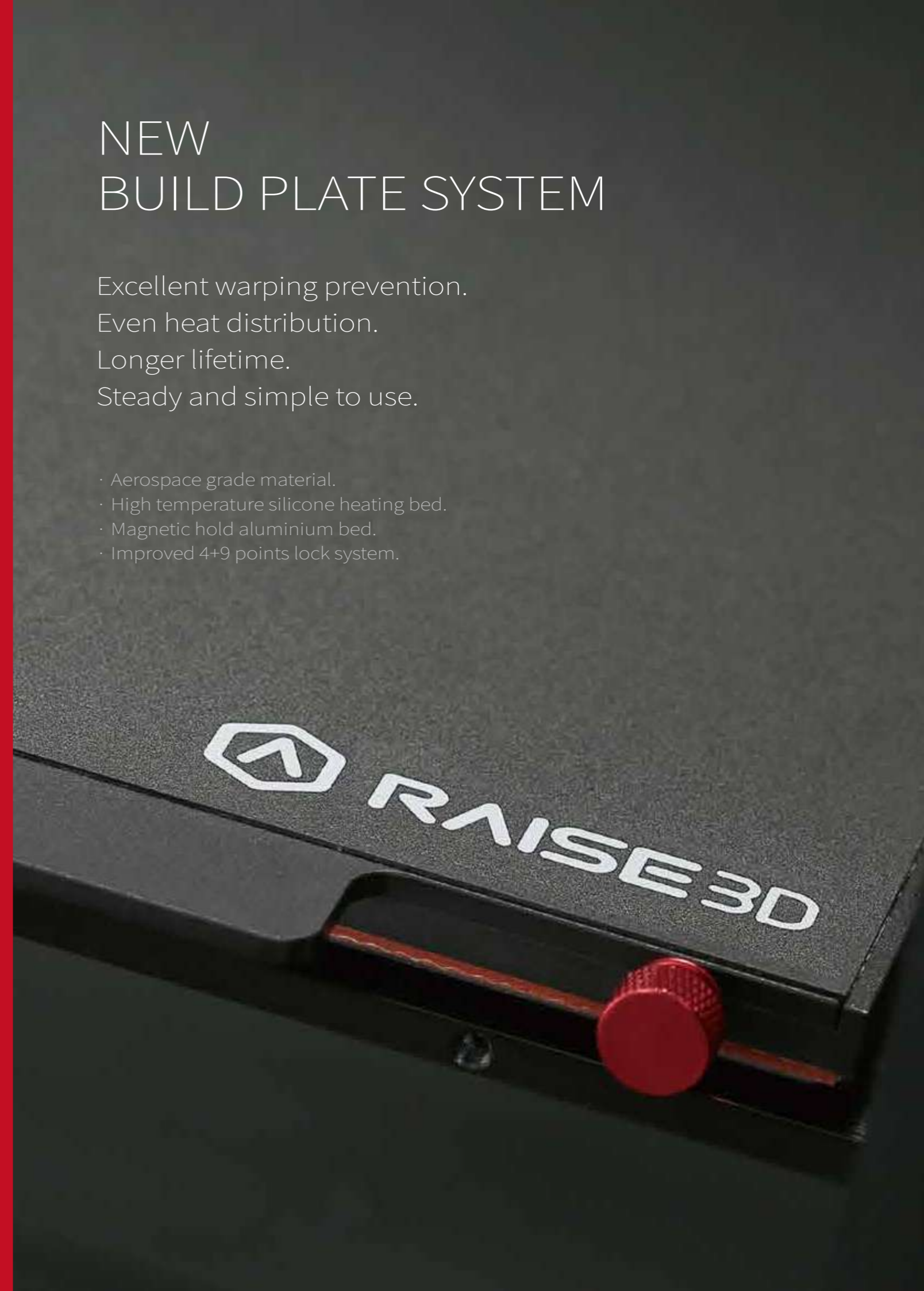
Office environment friendly.
Silently protecting our health.

- Absorbs >91% of particles.

NEW BUILD PLATE SYSTEM

Excellent warping prevention.
Even heat distribution.
Longer lifetime.
Steady and simple to use.

- Aerospace grade material.
- High temperature silicone heating bed.
- Magnetic hold aluminium bed.
- Improved 4+9 points lock system.



MORE FEATURES

- Built-in camera.
- Improved nozzle.
- Improved factory calibration.
- High quality optical end stops.
- Improved hotend isolation.
- Software controllable stand-alone active cooling fan.



Pro2

Pro2 Plus

ITEM	Pro2		Pro2 Plus	
CONSTRUCTION	Build Volume (W×D×H)			
	Single	Dual	Single	Dual
	12×12×11.8 inch 305×305×300 mm	* 11×12×11.8 inch 280×305×300 mm	12×12×23.8 inch 305×305×605 mm	* 11×12×23.8 inch 280×305×605 mm
	Machine Size (W×D×H)			
	24.4×23.2×29.9 inch 620×590×760 mm		24.4×23.2×43.5 inch 620×590×1105 mm	
ELECTRICAL	Power Supply Input Power Supply Output		Universal 100-240 VAC, 50/60 Hz 600 Watts, 24 VDC	
PRINTER	Print Technology Print Head Filament Diameter XYZ Step Size Print Head Travel Speed Build Plate Max Build Plate Temperature Build Plate Material Build Plate Leveling Supported Materials Nozzle Diameter Max Nozzle Temperature Operating Sound Connectivity Monitoring		FFF Dual-head with electronic lifting system 1.75mm 0.78125, 0.78125, 0.078125 micron 30 - 150 mm/s Heated aluminum build plate with magnetic holding 110 °C Silicone Pre-calibrated leveling PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ NYLON/ PETG/ ASA/ PP/ Glass Fiber Filled/ Wood-Filled/ Carbon Fiber Enforced 0.2/ 0.4/ 0.6/ 0.8mm 300 °C 50 dB Wi-Fi, LAN, USB port Live camera	
SOFTWARE	Slicing Software Supported File Types Supported OS Machine Code Type		ideaMaker STL, OBJ WINDOWS/ IOS/ LINUX GCODE	
PRINTER CONTROLLER	User Interface Network Resume Print after Power Outage Screen Resolution Motion Controller Logic Controller Memory Onboard Flash OS Ports		7 inch Touch Screen Ethernet 802.11b/g/n Wifi 2.4GHz/5GHz Second Generation 1024*600 ATM Cortex M7.400MHZ FPU Freescale imx6, Quad core 1Ghz ARM processor 1GB 8GB Embedded Linux Sdcard*1, Usb2.0*2, Ethernet*1	

* : When you are printing with dual Material.

IDEAMAKER POWERFUL SLICING SOFTWARE

Speed

- Rapid and Efficient.
- Native-compiled, multi-threaded, 64-bit.

Repair

- Automated part separation for Multi-Part prints.
- Repair and optimize unprintable files.
- Cut models at any axis or angle.

Support

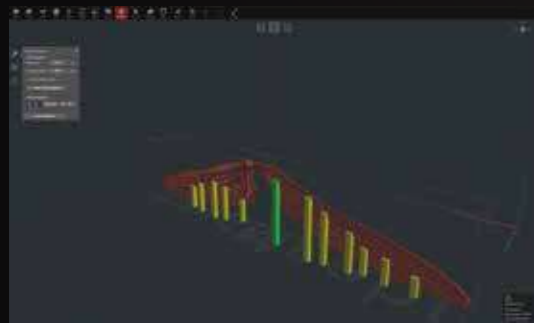
- Automatically generated supports.
- Manual support and editing features.

Optimized Interface

- Create and manage profiles to easily switch between settings.
- Cross section viewing.
- Auto-layout for multi-part printing.
- User friendly UI.
- Print in only 4 clicks.

Compatibility

- Compatible with most FFF 3D Printers
- Input OBJ/STL, Outputs GCODE
- Available in English, French, German, Russian, Japanese, Chinese, and more.



Customizable manual support



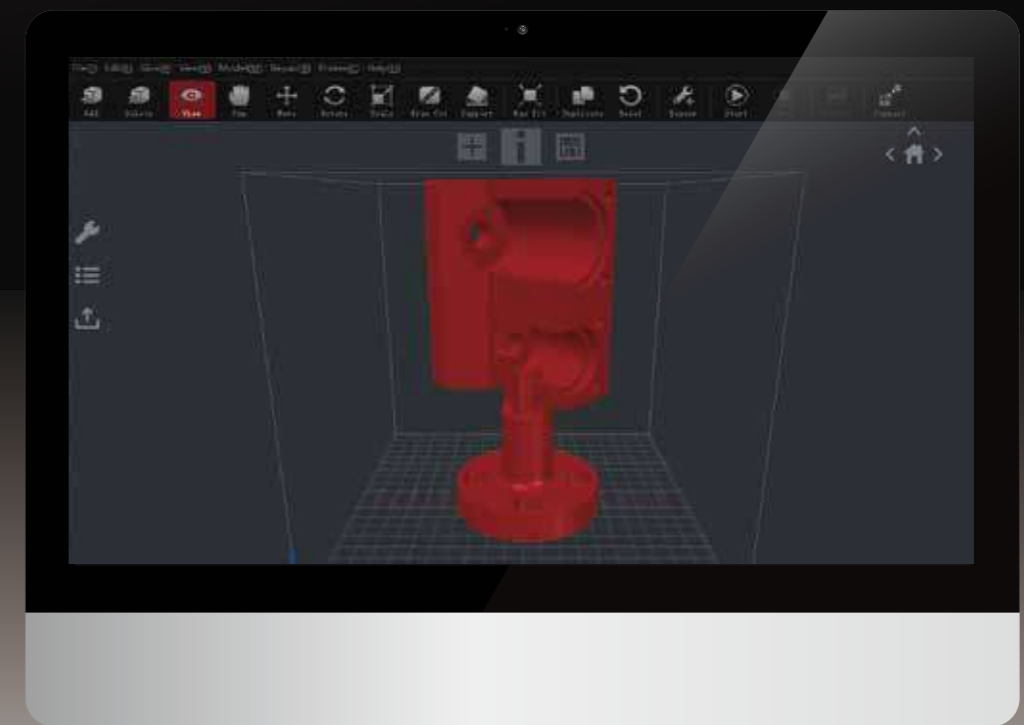
Remote management



Multi-threaded slicing engine (64 bit)



Model Repairing



RAISE3D NETWORK

 SALES PARTNER
 RAISE3D OFFICE



AMERICAS

Brazil
 Canada
 Mexico
 Uruguay
USA

EUROPE

Albania	Croatia	France	Kazakhstan	Montenegro	Romania	Sweden
Austria	Cyprus	Germany	Latvia	the Netherlands	San Marino	Switzerland
Belarus	Czech Republic	Greece	Lithuania	Norway	Serbia	Turkey
Belgium	Denmark	Hungary	Luxembourg	Poland	Slovakia	Ukraine
Bosnia-Herzegovina	Estonia	Iceland	Macedonia	Portugal	Slovenia	UK
Bulgaria	Finland	Italy	Malta	Russia	Spain	

AFRICA

Egypt
 South Africa
 Tunisia

ASIA & OCEANIA

Australia	Japan	Taiwan
China Mainland	Malaysia	Thailand
Hong Kong	Macau	
India	New Zealand	
Indonesia	South Korea	
Israel	Singapore	