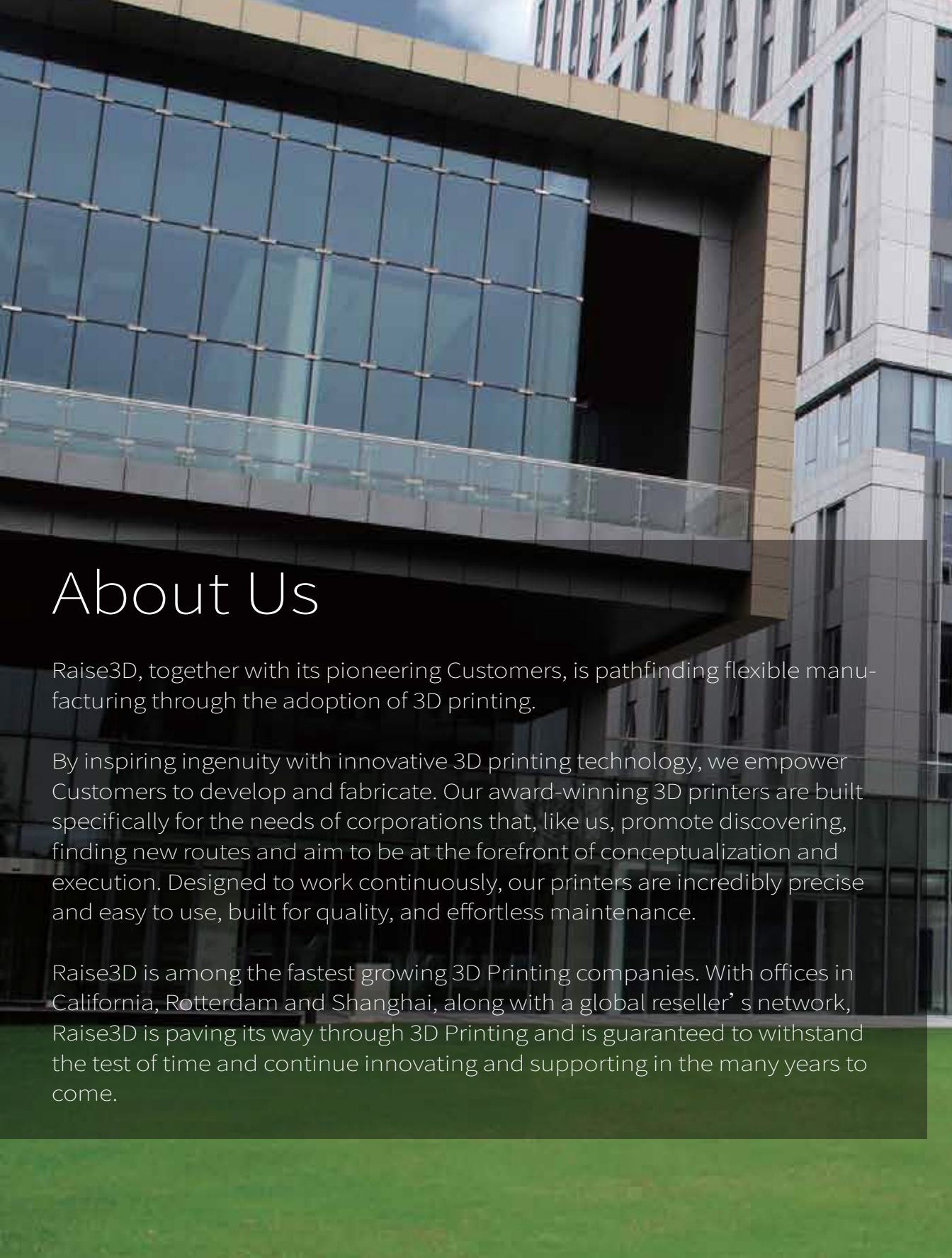

RAISE3D

PATHFINDING FLEXIBLE MANUFACTURING

WWW.RAISE3D.COM



About Us

Raise3D, together with its pioneering Customers, is pathfinding flexible manufacturing through the adoption of 3D printing.

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 to work continuously, our printers are incredibly precise and easy to use, built for quality, and effortless maintenance.

Raise3D is among the fastest growing 3D Printing companies. With offices in California, Rotterdam and Shanghai, along with a global reseller' s 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 machines

Raise3D Printers:

An Award Winning Legacy

"The huge build volume makes so many more designs printable, and the dual high temp extruders allow us to print those big designs in any material we want."

Matt Stultz
Make Magazine

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

Philip J. Angileri
Make Magazine

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

3D Hubs
Printer Guide 2018

THE NEW RAISE3D SERIES

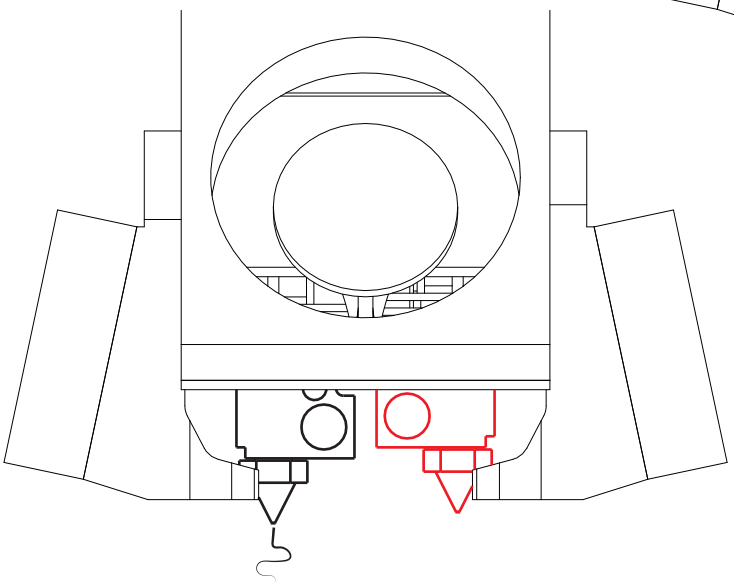
Pro2 / Pro2 Plus

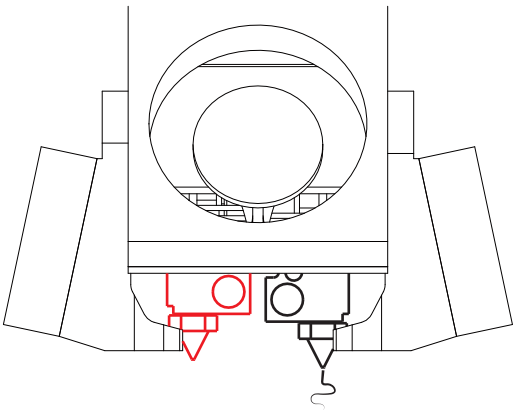
Industrial grade printer's ready to integrate print factories,
24/7 production capability and customized parts on demand.

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


RAISE3D Pro2
RAISE3D Pro2 Plus

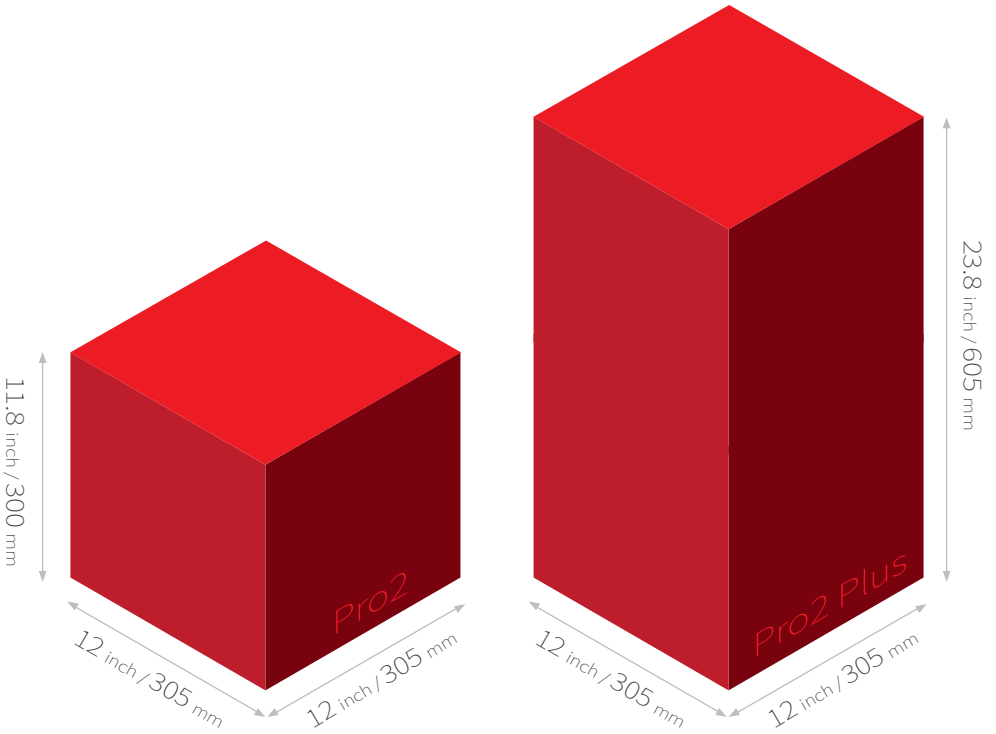
Electronic Driven
Dual Extrusion
with Retracting Nozzles





Prints complex mechanical parts,
supports a variety of multi-material filaments
and improves print speed.

- High repeatability (<0.005m, 5 micron).
- Light speed (< 1 second switching time).
- 1.5mm lifting distance, compatible with flexible filaments
- Reliability tested over 100,000 times!



Big Build Volume

Up To

12 × 12 × 23.8 inch

305 × 305 × 605 mm

24/7 Reliability - Multiple Fail Safe Systems - Industrial Grade Components

For Material Compatibility up to 300°C

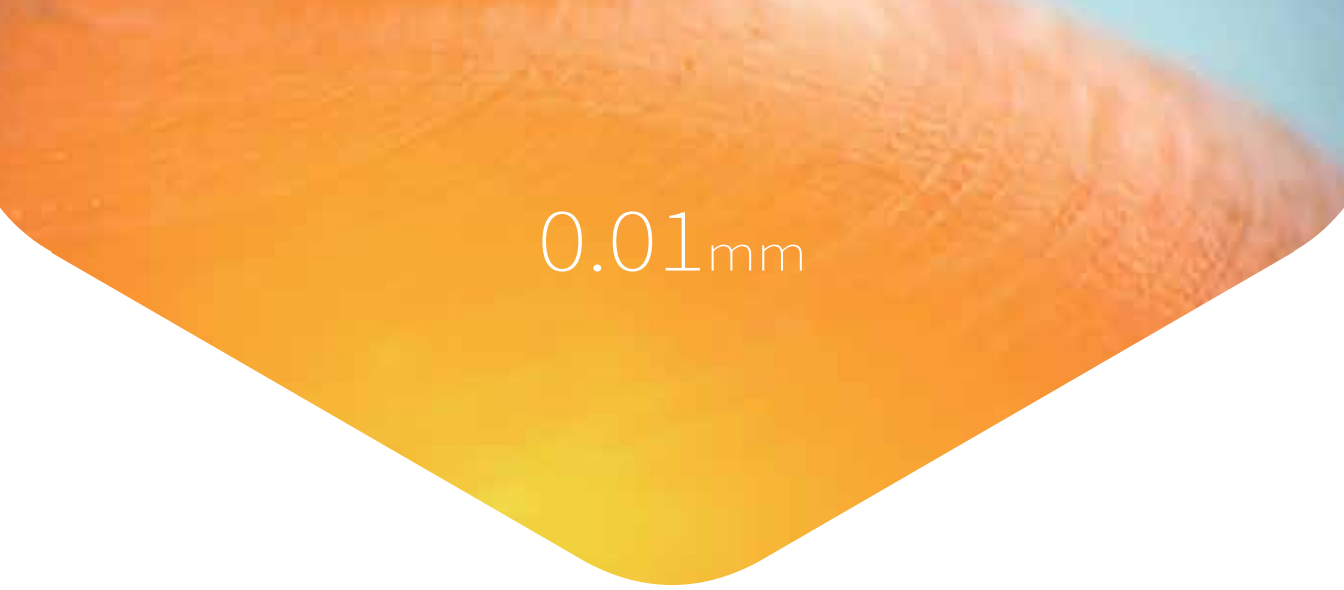
PLA	ABS	HIPS
PC	TPU	TPE
NYLON	PETG	ASA
PP	PVA	

Glass Fiber Enforced

Carbon Fiber Enforced

Metal Particles Filled

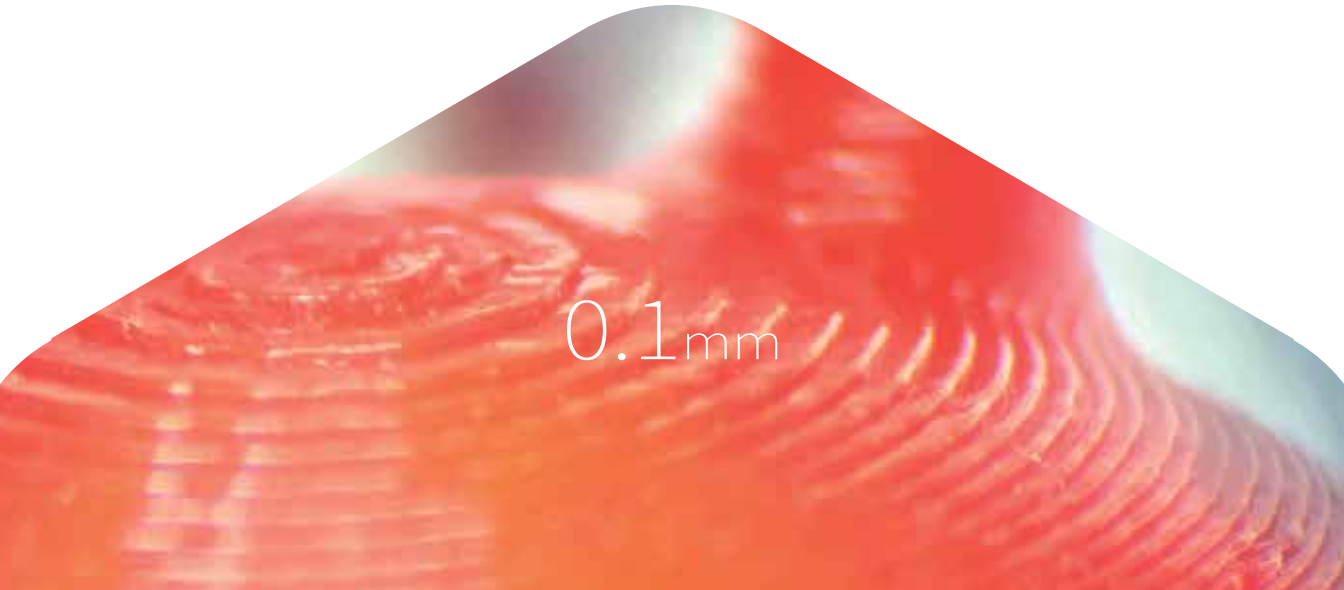
Wood Filled



High Resolution

Unique motion system for
superior part quality and resolution.

Unmatched layer resolution: 0.01mm layer thickness

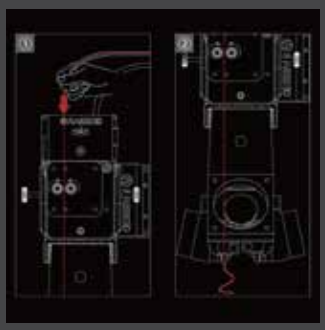


Intuitive User Experience

Visual Interface / Rapid Reviewing
Visual Print Progress / Full Adjustment Control

7-inch Touch Screen.

Integrated Setting Control

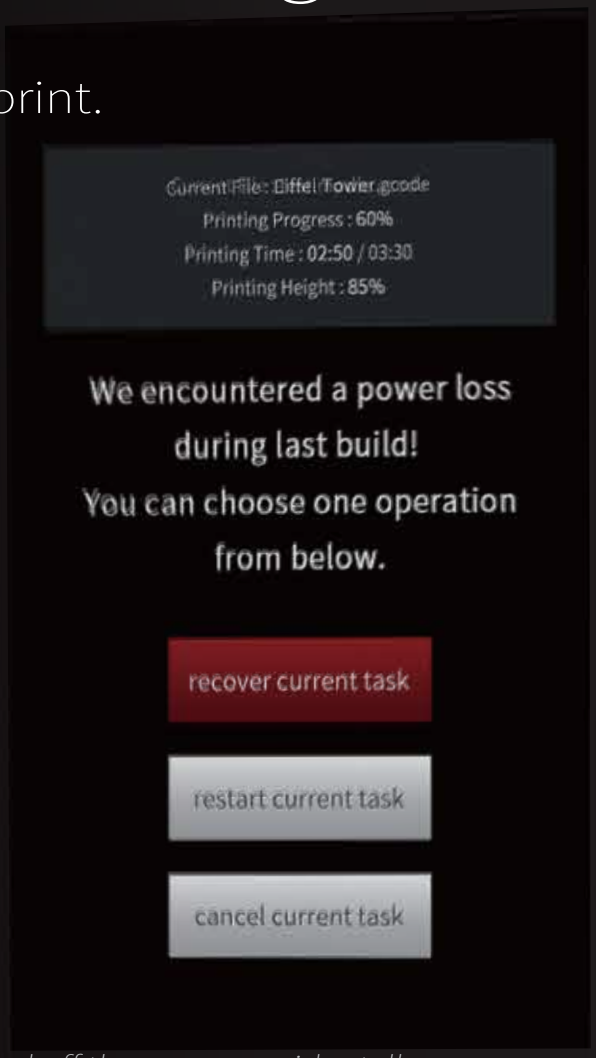


On Screen Assistance

Visual Model Selection

Second Generation Power Loss Resuming

Never lose a print.



"I actually knocked off the power accidentally. 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 printing. THIS WAS A LIFESAVER!"

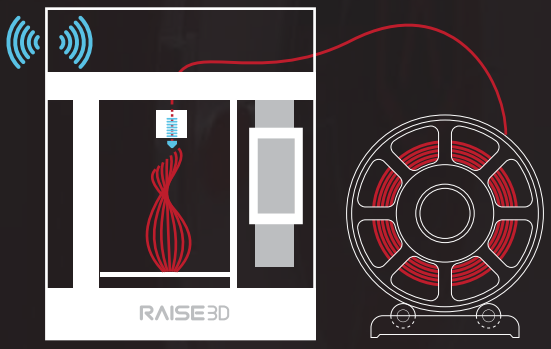
- Shon Robinson

Remote User Interface

Access - Monitor - Control

Operate efficiently with ideaMaker by connecting wirelessly to your Pro2 Series Printer.
Built-in camera.

Wireless Upload

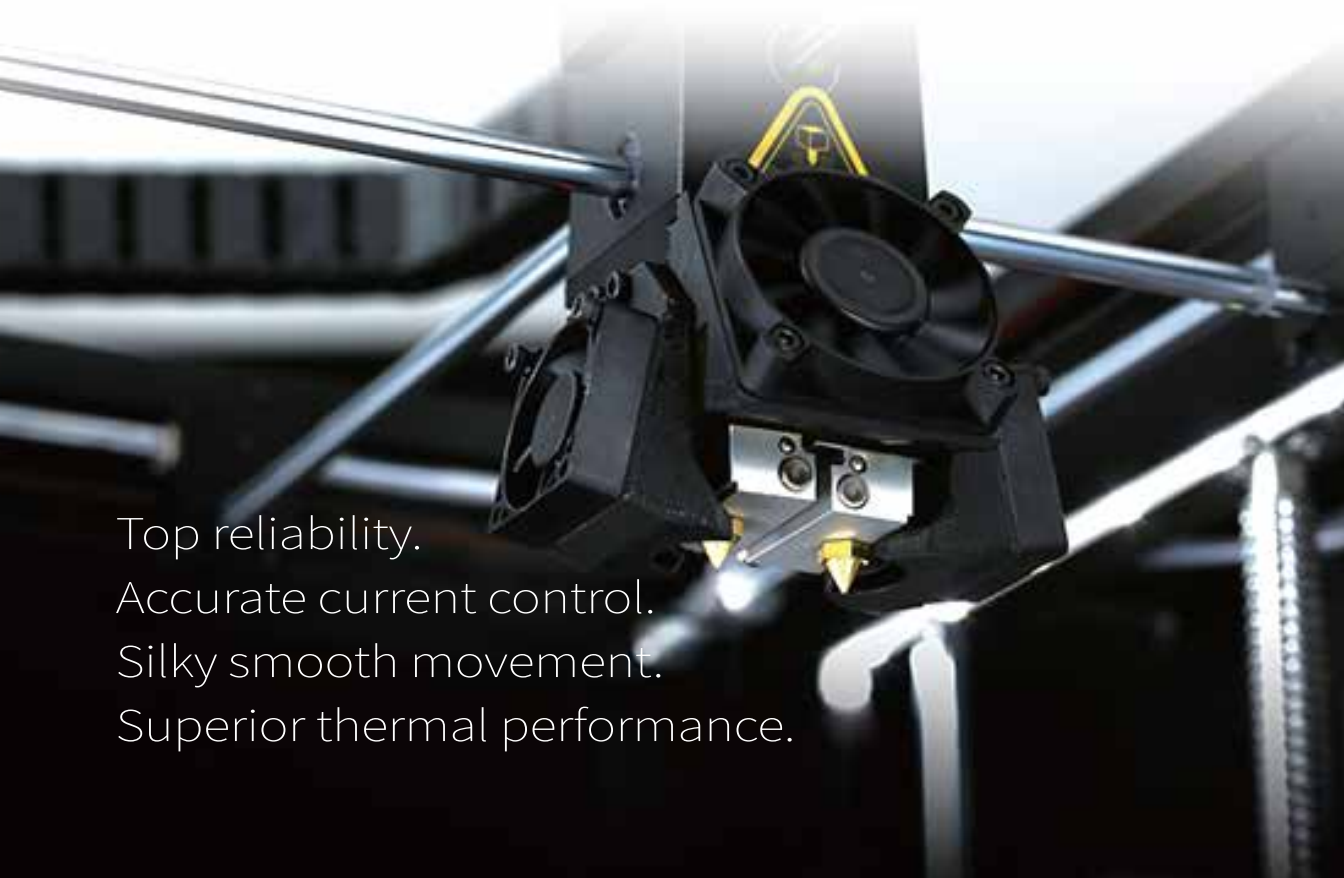


Wireless Control

Wireless Monitoring

Next Generation Motion Controller

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

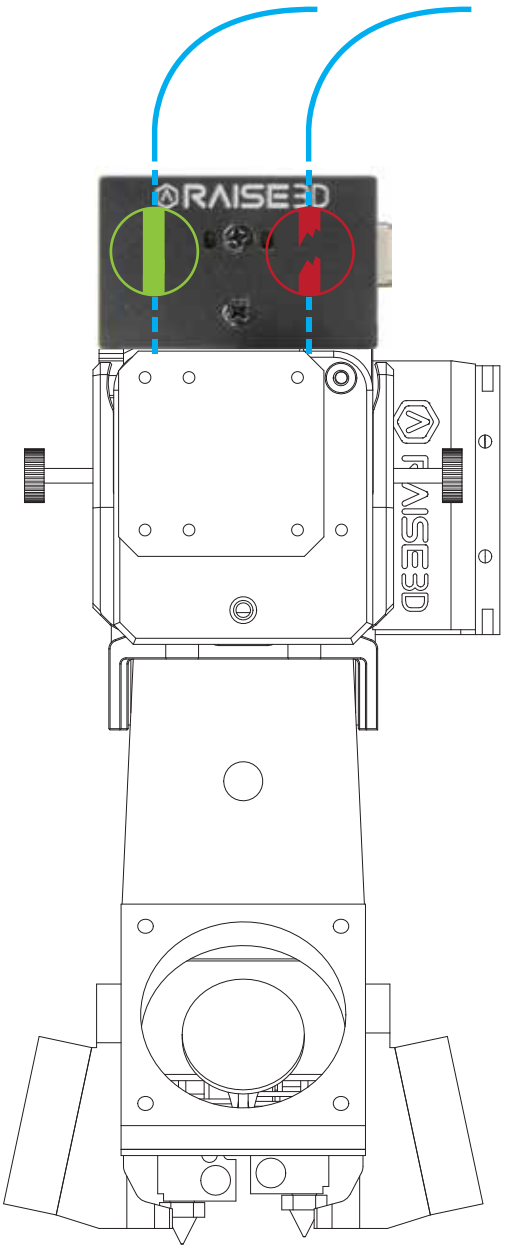


Top reliability.
Accurate current control.
Silky smooth movement.
Superior thermal performance.

New Extruder with Filament Run-Out Sensor

Better grip.
No slipping.
Worry free prints.

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



New HEPA Air Filtration

Environmentally friendly.
Designed to silently remove nano-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

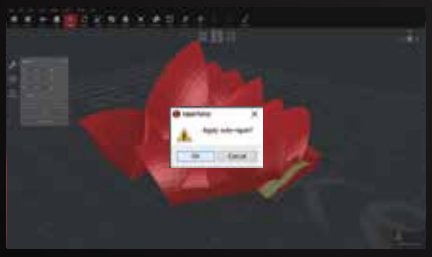
Built-in camera.
State of the art extruders system.
Improved factory calibration.
High quality optical end stops.
Software controlled active cooling fan.
Advanced hot end.

ITEM	Pro2		Pro2 Plus	
CONSTRUCTION	Build Volume (W×D×H)			
	Single Print	Dual Print	Single Print	Dual Print
	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	

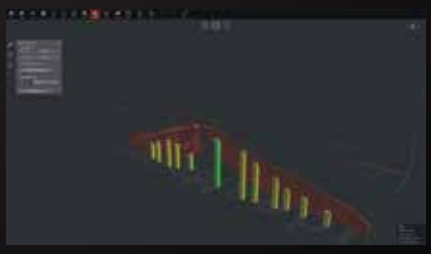
ELECTRICAL	Power Supply Input	100-240 V AC, 50/60 Hz 230 V @ 3.3 A
	Power Supply Output	24 V DC, 600 W
PRINTER	Print Technology	FFF
	Print Head	Dual-head with electronic lifting system
	Filament Diameter	1.75 mm
	XYZ Step Size	0.78125, 0.78125, 0.078125 micron
	Print Head Travel Speed	30 - 150 mm/s
	Build Plate	Heated aluminum build plate with magnetic holding
	Max Build Plate Temperature	110 °C
	Heated Bed Material	Silicone
	Build Plate Leveling	Pre-calibrated leveling
	Supported Materials	PLA/ABS/HIPS/PC/TPU/TPE/NYLON/PETG/ASA/PP/PVA/Glass Fiber Filled/Carbon Fiber Enforced/Metal Particles Filled /Wood Filled
	Nozzle Diameter	0.2/ 0.4/ 0.6/ 0.8/ 1.0 mm
	Max Nozzle Temperature	300 °C
	Connectivity	Wi-Fi, LAN, USB port，Live camera
	Noise emission (acoustic)	<50dB(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
SOFTWARE	Slicing Software	ideaMaker
	Supported File Types	STL, OBJ, 3MF
	Supported OS	WINDOWS/ IOS/ LINUX
	Machine Code Type	GCODE
PRINTER CONTROLLER	User Interface	7 inch Touch Screen
	Network	Ethernet: Ethernet 802.11b/g/n WLAN: IEEE802.11b/g:2412MHz to 2472 MHz IEEE802.11n HT20:2412MHz to 2472 MHz IEEE802.11a:5150 - 5250MHz, 5725 -5850 MHz IEEE802.11an HT20:5150 - 5250MHz, 5725 -5850 MHz IEEE802.11an HT :5150 - 5250MHz, 5725 -5850 MHz
	Resume Print after Power Outage	Second Generation
	Screen Resolution	1024*600
	Motion Controller	ATM Cortex M7.400MHZ FPU
	Logic Controller	32 bit freescale imx6, Quad core 1Ghz ARM processor
	Memory	1 GB
	Onboard Flash	8 GB
	OS	Embedded Linux
	Ports	Usb2.0*2, Ethernet*1

★: When you are printing with dual Material.

ideaMaker
Powerful Slicing Software



Model Repairing



Customizable manual support

Remote management

Multi-threaded slicing engine (64 bit)

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

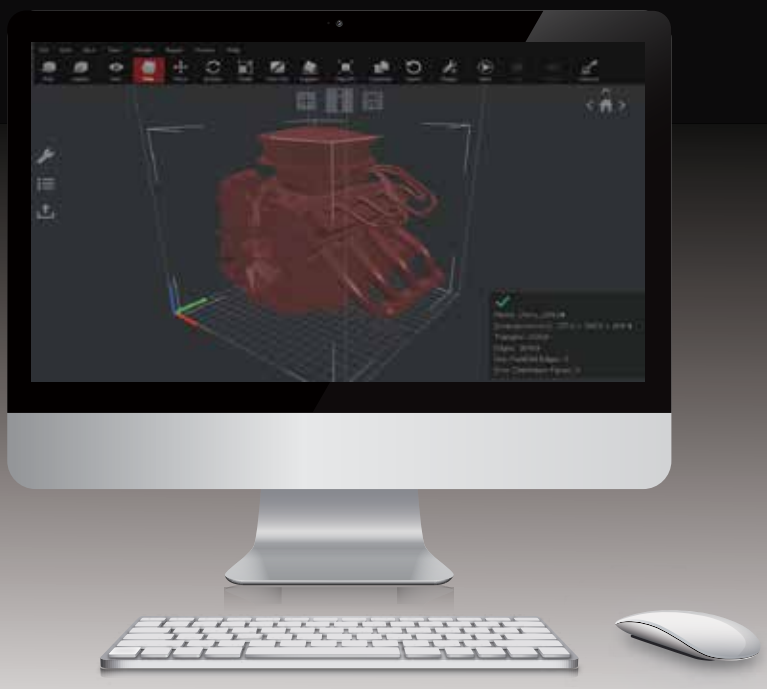
- Automatically generated supports.
- Manual support and editing features.

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 STL/OBJ/3MF, Outputs GCODE.
- Available in English, French, German, Russian, Japanese, Chinese, and more.



RAISE3D NETWORK

AMERICAS

Argentina
Brazil
Canada
Chile
Mexico
Paraguay
Uruguay
USA

EUROPE

Albania
Austria
Belarus
Belgium
Bosnia-Herzegovina
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Italy
Kazakhstan
Latvia
Lithuania
Luxembourg
Macedonia
Malta
Montenegro
the Netherlands
Norway
Poland
Portugal
Russia

SALES PARTNER

RAISE3D OFFICE

Romania
San Marino
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
Ukraine
UK

AFRICA

Egypt
South Africa
Tunisia

ASIA & OCEANIA

Australia
Bahrain
China Mainland
Hong Kong
India
Indonesia
Israel
Japan
Kuwait
Malaysia
Macau
Mongolia
New Zealand
Oman
Philippines
Qatar
Saudi Arabia
South Korea
Singapore
Taiwan
Thailand
United Arab Emirates
Vietnam

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