

# THE NEW RAISE3D SERIES

## Pro2 / Pro2 Plus

Industrial grade printer ready to integrate print factories,  
wireless compatibility and 24/7 production capability.

### Dual Extruder

Electronic Driven Lifting  
4× Increased Torque Performance

### Massive Build Volume

Pro2 Plus: 305 × 305 × 605 mm  
Pro2: 305 × 305 × 300 mm

### 0.01mm Resolution

32 Bit Motion Controller



### 7" Touch Screen

Visual Print Progress  
Full Adjustment Control

### Diverse Filament Compatibility

Up to 300°C Melting Point

### Print Resume

Resume Print after Power Outage

Filament Sensor / Camera / Filter



ITEM	Pro2		Pro2 Plus	
CONSTRUCTION	Build Volume (W×D×H)			
	Single Extruder Print	Dual Extruder Print	Single Extruder Print	Dual Extruder 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 (Fused Filament Fabrication)		
	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 Enforced/ Carbon Fiber Enforced/ Metal Particles Filled/ Wood Filled		
	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)	<50 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		
SOFTWARE	Slicing Software	ideaMaker		
	Supported File Types	STL, OBJ, 3MF		
	Supported OS	WINDOWS/ macOS/ LINUX		
	Machine Code Type	GCODE		
PRINTER CONTROLLER	User Interface	7 inch Touch Screen		
	Ethernet	10/100 Mbps		
	WLAN	IEEE802.11b/g: 2412 - 2472 MHz IEEE802.11n HT20: 2412 - 2472 MHz IEEE802.11a: 5150 - 5250 MHz, 5725 - 5850 MHz IEEE802.11an HT20: 5150 - 5250 MHz, 5725 - 5850 MHz IEEE802.11an HT: 5150 - 5250 MHz, 5725 - 5850 MHz		
	Resume Print after Power Outage	Second Generation		
	Screen Resolution	1024*600		
	Motion Controller	ATM Cortex M7.400MHZ FPU		
	Logic Controller	Freescale i.mx6, Quad core 1Ghz ARM processor		
	Memory	1 GB		
	Onboard Flash	8 GB		
	OS	Embedded Linux		
	Ports	USB 2.0*2, Ethernet*1		

