Julia Pro

TECHNICAL SPECIFICATIONS

With the widest range of Material options to choose from, Julia Pro delivers superior performance at a great value for money. Imagine the best of 3D Printing industry packaged into one massive build volume machine.

Build Specifications

Build Volume	370mm x 400mm x 400mm (LBH)
Number of Extrusion Engines	2
Extrusion Engine Nozzle sizes	0.4mm to 1mm
Max Extrusion Engine Temperature ('C)	270
Max Build Substrate Temperature	120
Positioning Accuracy Z (um)	2
Positioning Accuracy X- Y (um)	10

Unique Features

"IMEX" Tool Changer	Independently Moving Extrusion Tool Changer
Integrated "Mat-Protect" Material Storage	Two filaments upto 3kgs each
Replaceable "Magnalock Build Substrate"	Use wide substrate choices for ideal material compatibility
Replaceable Extrusion Engines	Change from 0.4mm to 1mm Engines
Mission Control: Touch Panel	Onboard User Interface
Mission Control	Remote Control and Monitor over WIFI/LAN
Buildview	Live camera for 5MP
L-Cell AutoCaliberation	Automatically compensate bed level and relative Extrusion Engine Tool nozzle distance
Active Material Sensor	Measures flow and presence of Material

Fracktal HMI	HMI with wide touch screen	3.5" Capacitive Industrial Monitor
	Controls Available	Nozzle temperatures (Both First and Second)
		Heatbed Temperature control
		Cooling Fan Feedrate control
		X,Y,Z movement and homing controls
		Automatic Filament change program
		Live Z-offset control
		Local device memory access
		Connect to phone with QR code function
		Printing time and progress bar
		Special functions for direct support request and filament purchase
		Image display of the part being printed

Material Compatibility	400	PLA+ with PVA Dissolvable
		ABS+ with PVA+ Dissolvable or breakaway
		==Nylon with PVA Dissolvable== New
		Carbon Fiber infused in Nylon with PVA Dissolvable
		Poly Carbonate with Dissolvable
		PETG with support
		TPU 85A and 95A
		Carbon fiber infused in Nylon with dissolvable Support
		HIPS

Nozzle Compatibility	Lite	0.4 mm
	Low temp application = Lite = LT (Brass tip)	0.6 mm
		0.8 mm
	High Temp	0.4 mm
	High temp application = Full metal = HT (Brass tip)	0.6 mm
		0.8 mm
	Hardened	0.6 mm
	High temp abrasive application = Full metal = HH (Hardened Steel Tip)	0.8 mm

3DWorks Design Solutions
We Streamline The Development Process

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FRACKTAL WORKS

Reliability
Our printers are known across the manufacturing industry for producing high quality prints consistently. We offer excellent after sales support and are always just a call away. You can also find our resellers across various cities throughout the country.

Precision
With the updated industrial motion gantry and weight reduction of core systems, we have achieved a level of precision that is unparalleled by many of our competitors.

Ecosystem
With support framework like MattProtect range of accessories for Filament protection, swappable Print Engines across different nozzle sizes and core materials, we are bringing the convenience back to 3D Printing.

Application Intelligence
Our team of 3D printing experts will ensure that they help you identify case studies and applications as well as help build your return of investment reports. Our service framework will ensure continuous product success and innovation.

Production set up
We can help you define your production setup with a range of our offerings and also establish a customized maintenance contract to ensure lowest downtime and highest throughpu