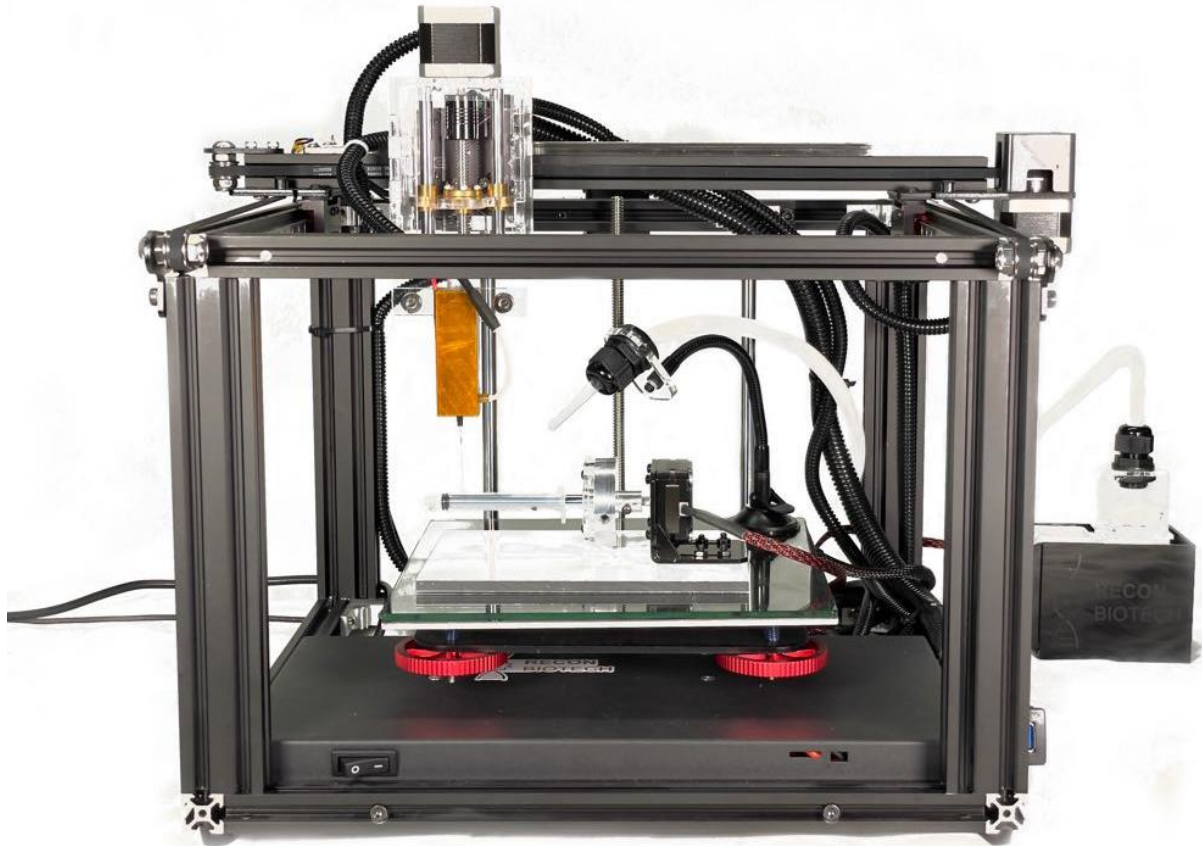


Recon Biotech Educational 3D Bioprinting Platform

Specification Sheet



DESIGNED FOR EDUCATION. POWERFUL ENOUGH FOR RESEARCH.

We designed this 3D bioprinting platform to fill an unmet need: educating students. But this competitively powerful machine has the precision, the tools, and the software to perform equally well in the research lab. And best of all, a price tag that democratizes 3D bioprinting technology, rather than keep it so sequestered that the promise of the technology is squandered.

Recon Biotech Educational 3D Bioprinting Platform Specifications

Printer and printing properties	Technology	Syringe extrusion
	Print tools	Heated syringe extruder; Nebulizer module; Additive-lathe module; USB microscope module; Webcam module
	Layer resolution	0.1 mm
	XYZ accuracy	± 0.1 mm
	Build plate	Heated glass build plate; Heated aluminum build plate
	Build plate leveling	Manual
	Supported materials	Gelatin, alginate, Pluronic F-127, other extrudables
	Extruder temperature	Ambient - 60°C ± 0.1°C
	Extruder heat up time	<2 min
	Build plate temperature	Ambient - 60°C ± 0.1°C
	Build plate heat up time	<5 minutes
Power rating	24V/270W	
Connectivity	Wi-Fi, LAN	
Language support	English	
Monitoring	Real-time monitoring with webcam module	
USB microscope resolution	Up to 250x, 2 MP	
Physical dimensions	Dimensions	440 mm x 410mm x 340 mm
	Build area	220 mm x 220 mm
	Net weight	11.8 kg
	Shipping box dimensions	546 mm x 533 mm x 241 mm
	Shipping weight	14.5 kg
Ambient conditions	Operating and non-operating ambient conditions	5-34°C, 10 – 90% RH non-condensing
	Software	Recon fork of Marlin Recon Biotech Cloud Host
	Supported OS	Windows, Mac, Linux
	File type	GCODE
Warranty and service	Warranty period	12 months (standard)
	Technical support	Lifetime support