

# A2L Spec Sheet

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Build Volume (W*D*H)	330*320*325 mm
	Chassis	Aluminum and Steel
	Outer Frame	Plastic
Physical Dimensions	Physical Dimensions	544*529*505 mm
	Net Weight	12.8 kg
Toolhead	Extruder Gear	Hardened Steel
	Nozzle	Stainless Steel
	Max Nozzle Temperature	300 °C
	Supported Nozzle Diameter	0.2 mm, 0.4 mm, 0.6 mm, 0.8 mm
	Filament Cutter	Built-in
	Filament Diameter	1.75 mm
	Extruder Motor	Servo Extruder Motor
Heatbed	Build Plate Material	Flexible Steel Plate
	Included Build Plate Type	Textured PEI Plate
	Supported Build Plate Type	Textured PEI plate, Engineering Plate, Cool Plate SuperTack
	Max Heatbed Temperature	80 °C
Speed	Max Speed of Toolhead	500 mm/s
	Max Acceleration of Toolhead	10 m/s <sup>2</sup>
	Max Flow for Hotend	28 mm <sup>3</sup> /s (Test parameters: 150 mm round model with a single outer wall; Bambu Lab PLA Basic; 220 °C printing temperature)
Cooling	Part Cooling Fan	Closed Loop Control
	Hotend Cooling Fan	Closed Loop Control
Supported Filament Type	PLA, PETG, TPU, PVA	Suitable for Printing
	PLA-CF、PETG-CF	Suitable for Printing (Replace with Hardened Steel Nozzle)
Sensor	Camera	Low-frame-rate camera, up to 1080P, supports timelapse photography
	Filament Run Out Sensor	Supported
	Filament Tangle Sensor	Supported
	Filament Odometry	Supported
	Power Loss Recovery	Supported
	Clumping Detection	Supported
Electrical Requirements*	Voltage	High-voltage Version: 200-240 VAC, 50/60 Hz Low-voltage Version: 100-120 VAC, 50/60 Hz
	Max Power*	High-voltage Version: 1000 W@220 V Low-voltage Version: 1000 W@110 V
Environment Requirement	15 - 30 °C	

Electronics	Touchscreen	3.5 inch, 240*320 Touchscreen
	Storage	MicroSD Card
	Control Interface	Touchscreen, mobile App, PC App
	Motion Controller	Single-core Cortex-M4 Processor & Single-core Cortex-M7 Processor
	Communication	Wi-Fi, Bambu-Bus
Software	Slicer	Bambu Studio Supports third-party slicers which export standard Gcode, such as Super Slicer, PrusaSlicer and Cura, but certain advanced features may not be supported.
	Supported Operating System	MacOS、Windows、Linux
Network Control	Ethernet	Not Available
	Wireless Network	2.4G Wi-Fi
	Network Kill Switch	Not Available
	Removable Network Module	Not Available
	802.1X Network Access Control	Not Available
Wi-Fi	Operating Frequency	2412 - 2472 MHz (CE/MIC) 2412 - 2462 MHz (FCC) 2400 - 2483.5 MHz (SRRC)
	Wi-Fi Transmitter Power (EIRP)	< 23 dBm (FCC) , < 20 dBm (CE/SRRC)
	Wi-Fi Protocol	IEEE 802.11 b/g/n
Cutting Module	Cutting Area	300mm*300mm
	Drawing Area	300mm*255 mm
	Supported Pen Diameter	10.5 mm-12.5 mm
	Cutting Mat Type	LightGrip and StrongGrip Cutting Mats
	Blade Type	45°*0.35 mm
	Blade Pressure Range	50 gf-600 gf
	Max Cutting Thickness	0.5 mm
	Blade and Pen Recognition	Supported
	Cutting Mat Type Detection	Supported
	Supported Image Type	Bitmap and Vector Images
	Supported Material Type	Paper, PVC, vinyl, leather, and more

\*The printer's voltage specifications vary by sales region. Before use, check the label next to the power socket to ensure the supply voltage matches the indicated voltage.

\*To ensure the heatbed quickly reaches the needed temperature, the printer will maintain maximum power for about 3 minutes.