Specifications

Item			Specification
Printer	Printing Technology		Fused Deposition Modeling
	Body	Build Volume (W*D*H)	Single Nozzle Printing: 325*320*325 mm^3 Dual Nozzle Printing: 300*320*325 mm^3 Total Volume for Two Nozzles: 350*320*325 mm^3
		Chassis	Aluminum and Steel
		Outer Frame	Plastic and Glass
	Physical Dimensions	Physical Dimensions	492*514*626 mm^3
		Net Weight	31 kg
	Toolhead	Hotend	All Metal
		Extruder Gear	Hardened Steel
		Nozzle	Tungsten Carbide
		Max Nozzle Temperature	350 ℃
		Included Nozzle Diameter	0.4 mm
		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	Bambu Lab High-precision Permanent Magnet Synchronous Motor
	Heatbed	Build Plate Material	Flexible Steel Plate
		Included Build Plate Type	Textured PEI Plate
		Supported Build Plate Type	Textured PEI plate, Smooth PEI Plate
		Max Heatbed Temperature	120 ℃
	Speed	Max Speed of Toolhead	1000 mm/s
		Max Acceleration of Toolhead	20,000 mm/s^2
		Max Flow for Hotend	40 mm^3/s (Test parameters: 250 mm round model with a single outer wall; Bambu Lab ABS; 280 ℃ printing temperature)
	Chamber Temperature Control	Active Chamber Heating	Supported
		Max Temperature	65 ℃
	Air Purification	Pre-filter Grade	G3

Specifications

Printer	Air Purification	HEPA Filter Grade	H12
		Activated Carbon Filter Type	Granulated Coconut Shell
		VOC Filtration	Superior
		Particulate Matter Filtration	Supported
	Cooling	Part Cooling Fan	Closed Loop Control
		Toolhead Enhanced Cooling Fan	Closed Loop Control
		Cooling Fan for Hotend	Closed Loop Control
		Main Control Board Fan	Closed Loop Control
		Chamber Exhaust Fan	Closed Loop Control
		Chamber Heat Circulation Fan	Closed Loop Control
		Auxiliary Part Cooling Fan	Closed Loop Control
	Supported Filament Type	PLA, PETG, TPU, PVA, BVOH	Optimal
		ABS, ASA, PC, PA, PET, Carbon/ Glass Fiber Reinforced PLA, PETG, PA, PET, PC, ABS, ASA	Superior
		PPA-CF/GF, PPS, PPS-CF/GF	Ideal
	Sensor	Live View Camera	Built-in; 1920*1080
		Nozzle Camera	Built-in; 1920*1080
		Toolhead Camera	Built-in; 1920*1080
		Door Sensor	Supported
		Filament Run Out Sensor	Supported
		Filament Tangle Sensor	Supported
		Filament Odometry	Supported with AMS
		Power Loss Recovery	Supported
	Electrical Requirements	Voltage	100–120 VAC / 200–240 VAC, 50/60 Hz
		Max Power[1]	2200 W@220 V / 1320 W@110 V
	Working Temperature		10 ℃ -30 ℃
	Electronics	Touchscreen	5-inch 720*1280 Touchscreen
		Storage	Built-in 32 GB EMMC and USB Port
		Control Interface	Touchscreen, mobile App, PC App
		Motion Controller	Dual-core Cortex-M4 and Single-core Cortex-M7
		Application Processor	Quad-core 1.5 GHz ARM A7

Specifications

Printer	Electronics	Neural Processing Unit	2 TOPS
	Software	Slicer	Bambu Studio Supports third-party slicers which export standard G-code, such as Super Slicer, PrusaSlicer and Cura, but certain advanced features may not be supported.
		Supported Operating System	MacOS, Windows, Linux
	Network Control	Ethernet	Available
		Wireless Network	Wi-Fi
		Network Kill Switch	Wi-Fi and Ethernet
		Removable Network Module	Available
		802.1X Network Access Control	Available
	Wi-Fi	Operating Frequency	2412–2472 MHz, 5150–5850 MHz (FCC/CE) 2400–2483.5 MHz, 5150–5850 MHz (SRRC)
		Wi-Fi Transmitter Power (EIRP)	2.4 GHz: <23 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5 GHz Band1/2: <23 dBm (FCC/CE/SRRC/MIC) 5 GHz Band3: <30 dBm (CE); <24 dBm (FCC) 5 GHz Band4: <23 dBm (FCC/SRRC); <14 dBm (CE)
		Wi-Fi Protocol	IEEE 802.11 a/b/g/n
	Ethernet	Port Type	RJ45
		Speed	100 Mbps Full-Duplex
AMS 2 Pro	Body	Dimensions	372*280*226 mm^3
		Net Weight	2.5 kg
		Housing Material	ABS/PC
	Printing	Filament Supported	PLA, PETG, ABS, ASA, PET, PA, PC, PVA (dried), BVOH (dried), PP, POM, HIPS, Bambu PLA-CF/PAHT-CF/ PETG-CF/Support for PLA/PETG, and TPU for AMS
		Filament Not Supported	TPE, generic TPU, PVA (damp), BVOH (damp), Bambu PET-CF/TPU 95A, and other filament that contains carbon fiber or glass fiber
		Filament Diameter	1.75 mm
		Spool Dimension	Width: 50 mm–68 mm Diameter: 197 mm–202 mm
		RFID Identification	Supported

Specifications

AMS 2 Pro	Drying	Highest Temperature	65 ℃
		Filament Supported[2]	PLA, PETG, Support for PLA/PETG, ABS*, ASA*, PET*, PA*, PC*, PVA*, BVOH *, PP, POM*, HIPS*, Bambu PLA-CF*/ PAHT-CF*/ PETG-CF*, and TPU for AMS*
		Active Moisture Discharge	Supported
		Sealed Storage	Supported
		Temperature and Humidity Detection and Maintenance	Supported. Real-time temperature and humidity can be displayed on the screen[3], Bambu Studio, and Bambu Handy.
	Power	Input	24 V 4 A
AMS HT	Body	Dimensions	114*280*245 mm[3]
		Net Weight	1.21 kg
		Housing Material	PC/PA
		Flame Retardant Grade	UL 94 V-0
		Screen	Supports displaying real-time temperature and humidity, and remaining drying duration.
	Printing	Filament Supported	Feeder Unit Filament Inlet: PLA, PETG, ABS, ASA, PET, PA, PC, PVA (dried), BVOH (dried), PP, POM, HIPS, Bambu PLA-CF/PAHT-CF/PETG-CF/ Support for PLA/PETG, and TPU for AMS Bypass Filament Outlet: TPE, generic TPU, Bambu PET-CF/TPU 95A, and other filament that contains carbon fiber or glass fiber
		Filament Not Supported	PVA (damp), BVOH (damp)
		Filament Diameter	1.75 mm
		Spool Dimension	Width: 50 mm–68 mm Diameter: 197 mm–202 mm
		RFID Identification	Supported
		Filament Odometry	Supported
	Drying	Maximum Temperature	85 ℃
		Filament Supported	PLA, PETG, Support for PLA/PETG, ABS, ASA, PET, PA, PC, PVA, BVOH, PP, POM, HIPS, Bambu PLA-CF/ PAHT-CF/ PETG-CF, and TPU for AMS
		Active Moisture Discharge	Supported
		Rotating Drying Mode	Supported

Specifications

AMS HT	Drying	Sealed Storage	Supported
		Top Lid Open Detection	Supported
		Temperature, Humidity Detection and Maintenance	Supported. Real-time information can be displayed on the printer screen[3], AMS HT screen, Bambu Studio, and Bambu Handy.
		Voltage	DC: 24 V AC: 100 V–240 V~, 50 Hz/60 Hz
		Average Power	150 W

1. To ensure the heatbed quickly reaches the needed temperature, the printer will maintain maximum power for about 3 minutes.
2. Filaments marked with * require higher drying temperature. The AMS 2 Pro cannot dry them completely. If you want better drying performance for these filaments, we recommend using the AMS HT.
3. The screens of P1 series printers do not support this function.