

Bambu Lab

Bring your imagination to life with Bambu Lab 3D printers! With its cutting-edge technology and superior print quality, Bambu Lab 3D printer is perfect for hobbyists, artists, architects, engineers, and anyone looking to explore the exciting world of 3D printing.



Bambu Lab X1-Carbon

A leap in 3D printing

- AI-powered flagship 3D printer: High precision printing and accuracy with 7 μm lidar resolution.
- Multi-color and material capability: Print up to 16 colors and multi-materials, with the 300°C all-metal hotend.
- Breathtaking speed: CoreXY motion system with 20,000 mm/s^2 acceleration and 500 mm/s speed.
- Ultra Smoothness: Active vibration compensation improves performance and reliability.



Automated Bed Leveling



First Layer Inspection



Spaghetti Detection



Automatic Material System (AMS)

- Support up to 16 Colors connecting multiple AMS units with Bambu Lab X1 series and P1P.
- Intelligent system with filament runout, winding detection and auto filament backup.
- RFID tagging for automatic filament detection*.

*Compatible with Bambu Filaments



Take control with powerful yet simple Bambu Tools

- Slice your models with the open-source, cutting-edge, feature-rich Bambu Studio.



- Use your phone as a remote control at hand and at ease.



Bambu Lab P1P

- High performance printer at an affordable price.
- Seamless setup and printing experience right out of the box.
- Available for upgrades and modding with personalized design.
- State-of-the-art electronics including vibration compensation, pressure advance, WiFi connection, and camera.



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Bambu Lab X1-Carbon

Technical Specifications

Technology		X1-Carbon
		Fused Deposition Modeling
Body	Build Volume(W×D×H)	256 x 256 x 256 mm ³
	Chassis	Steel
	Shell	Aluminum & Glass
Tool Head	Hot End	All-Metal
	Extruder Gears	Hardened Steel
	Nozzle	Hardened Steel
	Max Hot End Temperature	300 °C
	Nozzle Diameter (Included)	0.4 mm
	Nozzle Diameter (Optional)	0.2 mm, 0.6 mm, 0.8 mm
	Filament Cutter	Yes
	Filament Diameter	1.75 mm
Hot bed	Build Plate	Flexible Steel Plate
	Build Plate Surface (Included)	Bambu Cool Plate, Bambu Engineering Plate
	Build Plate Surface (Optional)	Bambu High Temperature Plate
	Max Build Plate Temperature	110°C @220 V, 120°C @110 V
Speed	Max Speed of Tool Head	500 mm/s
	Max Acceleration of Tool Head	20 m/s ²
	Max Hot End Flow	32 mm ³ /s @ABS (Model: 150 x 150 mm single wall; Material: Bambu ABS; Temperature: 280°C)
Cooling	Part Cooling Fan	Closed Loop Control
	Hot End Fan	Closed Loop Control
	Control Board Fan	Closed Loop Control
	Chamber Temperature Regulator Fan	Closed Loop Control
	Auxiliary Part Cooling Fan	Closed Loop Control
	Air Filter	Activated Carbon Filter
Supported Filament	PLA, PETG, TPU, ABS, ASA, PET	Yes
	PA, PC	Ideal
	Carbon/Glass Fiber Reinforced Polymer	Ideal
Sensors	Bambu Micro Lidar	Yes
	Chamber Monitoring Camera	1920 x 1080 Included
	Door Sensor	Yes
	Filament Run Out Sensor	Yes
	Filament Odometry	Optional with AMS
	Power Loss Recover	Yes
Physical Dimensions	Dimensions	389 x 389 x 457 mm ³
	Net Weight	14.13 kg
Electrical Requirements	Voltage	100-240 VAC, 50-60 Hz
	Max Power	1000 W @220 V, 350 W @110 V
Electronics	Display	5-inch 1280 x 720 Touch Screen
	Connectivity	Wi-Fi, Bambu-Bus
	Storage	4 GB EMMC and Micro SD Card Reader
	Control Interface	Touch Screen, APP, PC Application
	Motion Controller	Dual-Core Cortex M4
	Application Processor	Quad ARM A7 1.2 GHz
	Neural-Network Processing Unit	2 Tops
Software	Slicer	Bambu Studio Support third party slicers which export standard G-code such as Superslicer, Prusaslicer and Cura, but certain advanced features may not be supported.
	Slicer Supported OS	MacOS, Windows

Bambu Lab P1S

Technical Specifications

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Build Volume(W × D × H)	256 x 256 x 256 mm ³
	Chassis	Steel
	Shell	Plastic & Glass
Toolhead	Hot End	All-Metal
	Extruder Gears	Steel
	Nozzle	Stainless Steel
	Max Hot End Temperature	300°C
	Nozzle Diameter (Included)	0.4 mm
	Nozzle Diameter (Optional)	0.2 mm, 0.6 mm, 0.8 mm
	Filament Cutter	Yes
	Filament Diameter	1.75 mm
Heatbed	Build Plate (Included)	Bambu Dual-Sided Textured PEI Plate
	Build Plate (Optional)	Bambu Cool Plate, Bambu Engineering Plate, Bambu High Temperature Plate
	Max Build Plate Temperature	100°C
Speed	Max Speed of Toolhead	500 mm/s
	Max Acceleration of Toolhead	20 m/s ²
	Max Hot End Flow	32 mm ³ /s @ABS(Model: 150*150mm single wall; Material: Bambu ABS; Temperature: 280°C)
Cooling&Filtration	Part Cooling Fan	Closed Loop Control
	Hot End Fan	Closed Loop Control
	Control Board Fan	Closed Loop Control
	Chamber Temperature Regulator Fan	Closed Loop Control
	Auxiliary Part Cooling Fan	Closed Loop Control
	Air Filter	Activated Carbon Filter
Supported Filament	PLA, PETG, TPU, ABS , ASA , PVA, PET	Ideal
	PA, PC	Capable
	Carbon/Glass Fiber Reinforced Polymer	Not Recommended
Sensors	Chamber Monitoring Camera	Low Rate Camera 1280 x 720/0.5fps Timelapse Supported
	Filament Run Out Sensor	Yes
	Filament Odometry	Optional with AMS
	Power Loss Recover	Yes
Physical Dimensions	Dimensions (WxDxH)	389*389*458 mm ³
	Net Weight	12.95 kg
Electrical Parameters	Input Voltage	100-240 VAC, 50/60 Hz
	Max Power	1000 W @220 V, 350W@110V
	USB Output Power	5V/1.5A
Electronics	Display	2.7-inch 192x64 Screen
	Connectivity	Wi-Fi, Bluetooth, Bambu-Bus
	Storage	Micro SD Card
	Control Interface	Button, APP, PC Application
	Motion Controller	Dual-Core Cortex M4
Software	Slicer	Bambu Studio Support third party slicers which export standard G-code such as Superslicer, Prusaslicer and Cura, but certain advanced features may not be supported.
	Slicer Supported OS	MacOS, Windows