Bambu Lab

MAPTEC

Bambu Lab P1 Series

A Versatile 3D Printing Workhorse

Right out of the Box

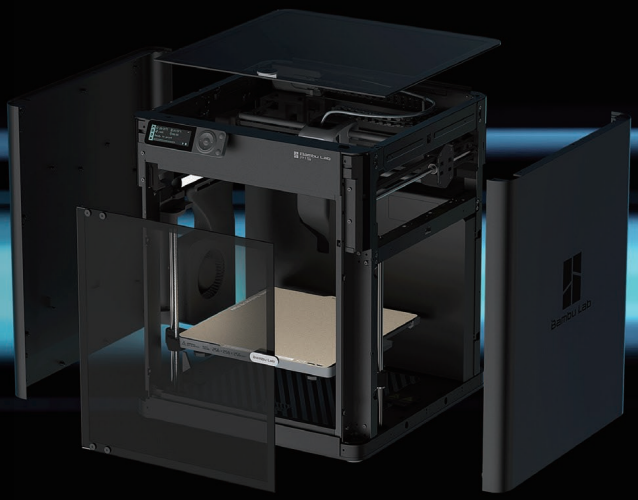
15 Mins unboxing and ready to go, no more fussing over calibration. Enjoy the pure joy and all-around exceptional

Precision at Lightening Speed

Inheriting the proven motion control system from the X1 series, the P1 series reaches a top speed of up to 500 mm/s, accelerating from zero to full speed in just 0.025 seconds, undoubtedly ultra-fast and of high quality.

Optional Enclosure for High-Performance Filament

With open architecture, P1P allows for the customization of unique side panels using your imagination.
With official enclosure, P1S enhances the print quality of high-performance materials.

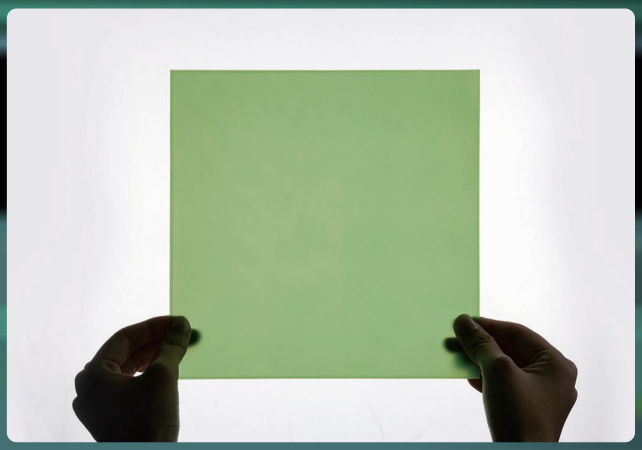


16 Colors

Enjoy up to 16-color printing with the connection of Bambu Lab Automatic Material System (AMS). Moreover, with its compatibility with specialized support materials, you can experience hassle-free print removal.

Direct-Drive Extruder

With the direct-drive extruder, the P1 series has better control over the extrusion and retraction of filaments, providing precise and consistent extrusion for the smooth and trouble-free printing experience.



Auto Bed Leveling for a Flawless First Layer

The Automatic Bed Leveling (ABL) sensor calibrates and levels the bed properly, ensuring the perfect first layer for every 3D print.

Cutting-Edge Technologies

All-metal Hotend
Durable materials are used to support long-time 3D printing with filaments including ABS and Carbon Fiber at high temperatures. It provides accurate and smooth extrusion to achieve high quality printing performance.

Filament Run-out Sensor
Eliminate the problem of empty spools during printing. Change filament when empty and resume.

Power Loss Recover
Worry-free from a power cut-off, you can resume the print from where it left off.

Semi-automatic Belt Tensioning
The tension of the belt is essential for ensuring dimensional accuracy. Resonance frequency identification runs every time to help maintain the correct tension.

Fans with Speed Feedback
The speed feedback sensor monitors the fan's speed ensuring that the fan is able to operate at its optimal speed at all times.

Liveview &Time-lapse
The built-in chamber camera enables easy print monitoring with Bambu Studio and Bambu Handy, facilitating Time-lapse video creation.

P1S

Body

Build Volume: 256 x 256 x 256 mm³
Chassis: Welded Steel
Shell: Enclosed (Plastic & Glass)

Speed

Max Speed of Toolhead: 500 mm/s
Max Acceleration of Toolhead: 20 m/s²

Toolhead

Hot End: All-Metal
Nozzle: Stainless Steel
Max Hot End Temperature: 300℃
Toolhead Cable: Enhanced toolhead cable with cable chain

Cooling & Filtration

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 Filaments

PLA, PETG, TPU, PVA, PET: Ideal
ABS, ASA: Ideal
PA, PC: Capable

P1P

Body

Build Volume: 256 x 256 x 256 mm³
Chassis: Welded Steel
Shell: Open frame (Printable Modplates Available)

Speed

Max Speed of Toolhead: 500 mm/s
Max Acceleration of Toolhead: 20 m/s²

Toolhead

Hot End: All-Metal
Nozzle: Stainless Steel
Max Hot End Temperature: 300℃
Toolhead Cable: Standard toolhead cable

Cooling & Filtration

Control Board Fan: Optional
Chamber Temperature Regulator Fan: Optional
Auxiliary Part Cooling Fan: Optional
Air Filter: Optional

Supported Filaments

PLA, PETG, TPU, PVA, PET: Ideal
ABS, ASA: Capable
PA, PC: Capable

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