

3D Printing

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FDM/Filament Deposition 3D printers

Bambulab P1S 3D Printer

FDM 3D Printer

bambulab_printer

This tool is restricted to Makerspace Members, and requires a training before use. Request a training on Slack: #class-requests. Guests may use the tool if assisted by a member.

Model No	P1S
Date Purchased	9/4/2024
Status	Operational
Link To Manual	Bambulab Wiki
Link to product page	Bambulab Store

Description

The **Bambu Lab P1S** is an enclosed desktop FDM (Fused Deposition Modeling) 3D printer designed for high-speed performance and material versatility. It is an evolution of the company’s P1P model, featuring a fully enclosed plastic and glass shell and an upgraded cooling system to better support high-temperature filaments.

Technical Specifications

- **Build Volume:** 256 x 256 x 256 mm
- **Chassis:** Welded steel with a plastic and glass enclosure
- **Kinematics:** CoreXY system capable of up to 500 mm/s print speed and 20,000 mm/s² acceleration.
- **Hot End:** All-metal construction with a maximum temperature of 300°C; we use a 0.4 mm hardened steel nozzle
- **Build Plate:** Flexible, double-sided textured PEI plate with a maximum temperature of 100°C.

Connectivity and Control

The device includes a 2.7-inch monochrome LCD screen with a button-based interface. It supports Wi-Fi and Bluetooth connectivity, allowing users to manage prints through the **Bambu Studio** desktop slicer or the **Bambu Handy** mobile app. A built-in 720p chamber camera provides remote monitoring and low-frame-rate timelapse recording.

Additonal Resources

- Slack Channel: #3d-printing

Resin 3D printers