

Bambu Lab P1S

Technical Specifications

| | Item | Specification |
|-----------------------|---------------------------------------|--|
| | Printing Technology | Fused Deposition Modeling |
| Body | Build Volume(W \times D \times H) | 256 x 256 x 256 mm³ |
| | 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 |
| | Max Speed of Toolhead | 500 mm/s |
| Speed | Max Acceleration of Toolhead | 20 m/s² |
| | Max Hot End Flow | 32 mm³/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 mm³ |
| | 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 |