Bambu Lab P2S 3D Printer (Global Version)

LKR 352,284.00

- **6-Month Warranty included** for worry-free operation.
- **Ultra-Fast Printing** speeds up to 500 mm/s with powerful acceleration and precision auto calibration.
- **Cold-Air Cooling System** maintains optimal airflow for sharper details and

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reduced heat distortion.
- **Smart AI Monitoring** with spaghetti detection, first-layer inspection, and nozzle clog alerts for consistent print quality.
- **High-Temperature Printing** up to 300 °C (nozzle) and 110 °C (bed), ideal for engineering-grade materials like ABS, PETG, and carbon-fiber blends.

Bambu Lab P2S 3D Printer (Global Version)

Are you ready to level up your 3D printing game? The **Bambu Lab P2S 3D Printer (Global Version)** is a seriously smart machine that brings next-gen features into a compact, easy-to-use design—perfect for home makers, print farms, and design studios alike. At *Master3D*, we're excited to offer this powerhouse that's been engineered to deliver high performance without the premium price tag.

Why this printer stands out

Forget fiddling with complicated setups—this machine comes ready to print with intuitive controls, a crisp 5-inch touchscreen, and AI-driven error detection so you spend less time troubleshooting and more time creating. With a generous **256 × 256 × 256 mm build volume** and a hardened steel nozzle capable of hitting **300 °C**, the Bambu Lab P2S 3D Printer (Global Version) gives you the flexibility to tackle everyday PLA jobs *and* more challenging materials like ABS or PC blends.

Built for reliable performance and versatility

Behind the scenes, the P2S features a PMSM servo extruder delivering up to **8.5 kg of extrusion force**, paired with an eddy-current sensor for automatic flow calibration. That means consistent, high-quality prints—even when you're printing fast or switching filaments. It also features a special cooling design called *Cold-Air Cooling* (part of the Adaptive Airflow System) that draws fresh air from outside the chamber to keep prints crisp without overheating the electronics or the build zone. Unlike many printers that simply recirculate hot air internally, this one pulls in cooler ambient air, boosting overhang performance and reducing warping.

Five very important specs:

- Build volume: 256 × 256 × 256 mm
- Maximum nozzle temperature: 300 °C

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- Supported nozzle diameters: 0.2 mm / 0.4 mm / 0.6 mm / 0.8 mm
- Max heated bed temperature: 110 °C
- Integrated 1080p camera + AI error detection + cold-air intake system

Ready to take your 3D printing to the next level? With the Bambu Lab P2S 3D Printer (Global Version) from *Master3D*, you get cutting-edge features wrapped in a streamlined, user-friendly package. Whether you're prototyping, producing small runs, or just printing for fun, this machine makes printing faster, smarter, and more reliable.

FAQs

1. **Q. Can I print multiple colours with the P2S?**
   A. Yes—with the optional AMS 2 Pro multi-filament system you can load multiple spools and print multi-colour or multi-material in one go.
2. **Q. Is this suitable for engineering materials like carbon-fibre blends?**
   A. Partially—while the nozzle is hardened steel and you can use tougher materials, the chamber isn't actively heated. So if you need full thermal control for highly warp-prone filaments, you may need a dedicated high-temp machine. (TechRadar)
3. **Q. How much assembly is required right out of the box?**
   A. Pretty minimal. The P2S arrives mostly assembled—typically you'll just attach the spool holder, screen and connect the tubes, then run auto-calibration.

Category	Specification
Model Name	Bambu Lab P2S 3D Printer (Global Version)
Brand	Bambu Lab
Available at	*Master3D*
Build Volume	256 × 256 × 256 mm
Machine Dimensions (W × D × H)	386 × 389 × 458 mm
Machine Weight	Approx. 16.4 kg
Printing Technology	Fused Filament Fabrication (FFF)
Frame Structure	Full metal body with enclosed design
Filament Compatibility	PLA, PETG, TPU, ABS, ASA, PA, PC, and composite materials (e.g., CF, GF blends)
Filament Diameter	1.75 mm
Extruder Type	Direct drive extruder with all-metal hotend
Nozzle Material	Hardened steel
Supported Nozzle Sizes	0.2 mm / 0.4 mm / 0.6 mm / 0.8 mm
Nozzle Temperature (Max)	300 °C
Heated Bed Temperature (Max)	110 °C
Bed Material	Flexible PEI-coated spring steel plate
Auto Bed Leveling	Yes – LIDAR-assisted with eddy-current calibration

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Category	Specification
Cooling System	**Cold-Air Cooling System** (adaptive airflow design that maintains print quality and prevents overheating)
Build Chamber	Semi-enclosed chamber with controlled airflow
Print Speed	Up to 500 mm/s
Acceleration	Up to 20,000 mm/s²
Extrusion Force	Up to 8.5 kg
Layer Resolution	0.1 mm – 0.4 mm
Connectivity	Wi-Fi / LAN / SD Card / USB
Supported File Types	3MF, STL, OBJ, STEP, AMF
Supported Slicer	Bambu Studio / Orca Slicer
Display	5-inch color touchscreen
Camera	Built-in 1080p AI-assisted camera
AI Features	Spaghetti detection, first layer inspection, nozzle clog detection
Power Supply	100–240 V AC, 50/60 Hz
Operating Noise	< 48 dB typical
Operating Environment	10 °C – 35 °C, 30–70% RH (non-condensing)
AMS (Automatic Material System)	Compatible with AMS / AMS 2 Pro for multi-filament printing
Software Update	Over-the-air firmware updates supported
Included Accessories	Power cable, PEI plate, tool kit, spool holder, filament sample, and quick-start guide

Disclaimer:

Product dimensions, weight, and specifications may vary slightly depending on manufacturing updates. Images are for reference only and may show optional accessories not included in the standard package.

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