

Bambu Lab A2L 3D Printer (Global Version)

LKR 329,556.00



- **6-Month Warranty Included** for worry-free operation.
- **Up to 500 mm/s Printing Speed** – High-speed printing without compromising the quality you expect.
- **Huge 330 × 320 × 325 mm Build Volume** – Print larger models and

functional parts with fewer splits.

- **Automatic Bed Leveling** – Less manual adjustment, more time creating. Just load your filament and get printing.
- **300°C Hotend + Wide Filament Support** – Supports PLA, PETG, TPU, PVA and compatible carbon-fibre filaments for versatile printing.

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Large-Format 3D Printing Without the Hassle

The **Bambu Lab A2L 3D Printer (Global Version)** brings a seriously spacious **330 × 320 × 325 mm build volume** to the desktop, giving you more room for large prototypes, cosplay parts, RC components, functional models and production batches. With speeds of up to **500 mm/s**, automatic bed leveling and intelligent motion control, it is designed to make large-format printing feel far less complicated.

At the heart of the A2L is a PMSM closed-loop servo extruder with hardened-steel gearing, helping maintain consistent filament feeding during demanding prints. The printer supports PLA, PETG, TPU, PVA and compatible carbon-fibre-reinforced materials when the appropriate hardened nozzle is used. You also get a 3.5-inch touchscreen, Wi-Fi connectivity, MicroSD storage and support for **Bambu Studio**. *Master3D* recommends the A2L for makers, designers, small businesses and anyone who wants a larger print area without jumping straight into a bulky industrial machine.

Key Specifications

- **Printing Technology:** FDM (Fused Deposition Modeling)
- **Build Volume:** 330 × 320 × 325 mm
- **Maximum Printing Speed:** 500 mm/s
- **Layer Resolution:** Approximately 0.05–0.35 mm
- **Nozzle Temperature:** Up to 300°C

Performance & Smart Features

The A2L combines a large-format bed-slinger design with **Adaptive Vibration Compensation**, integrated frame damping and automatic calibration to help

control ringing and maintain print quality at higher speeds. Automatic bed leveling and nozzle-offset calibration reduce the amount of manual setup, while the closed-loop extrusion system monitors for problems such as clogs, filament grinding and extrusion interruptions.

The standard setup includes a **0.4 mm stainless-steel nozzle**, while 0.2, 0.6 and 0.8 mm nozzle sizes are supported. The textured flexible PEI spring-steel plate and 80°C maximum heated-bed temperature make the machine particularly well suited to everyday materials such as PLA, PETG and TPU. For carbon-fibre filaments, a hardened-steel nozzle is required.

Frequently Asked Questions

1. Q.Can the A2L print large models in one piece?
A.Yes. Its **330 × 320 × 325 mm build volume** provides substantially more space than standard 256 mm-class desktop printers, reducing the need to split larger models into multiple pieces.
2. Q. What materials can I use with the A2L?
A.The A2L supports **PLA, PETG, TPU, PVA, PLA-CF and PETG-CF** with the appropriate setup. Carbon-fibre-reinforced filament requires a **hardened-steel nozzle**.
3. Q. Does the Global Version work with Bambu Lab Cloud?
A. Yes. This Global Version does **support Bambu Lab cloud connectivity**.

If you need a large, fast and automation-focused FDM printer for serious hobby projects or production work, the A2L offers a compelling combination of **large build volume, 500 mm/s maximum speed, automatic calibration and intelligent extrusion control** in a relatively compact desktop footprint. For users who are comfortable with SD-card or LAN-based workflows, this **Bambu Lab A2L 3D Printer (Global Version)** can be a powerful addition to a workshop or print farm.

Multi-Colour Printing Compatibility with Bambu Lab AMS

Want to bring more colour and creativity into your prints? The A2L integrates with the **Bambu Lab AMS ecosystem**, including **AMS Lite, AMS 2 Pro and AMS HT**, giving you automatic filament management for multi-colour and multi-material printing. Instead of stopping the printer every time you need a different filament, the AMS handles the switching automatically, making complex, colorful projects

much easier to produce.

Whether you're creating colorful models, product prototypes or multi-material functional parts, AMS compatibility turns the A2L into a much more versatile printing platform. With the right AMS setup, you can spend less time changing spools and more time creating.

An Expandable Creative Platform

The A2L isn't limited to traditional 3D printing. With optional modular accessories, the same machine can be expanded into a creative tool for **blade cutting and pen plotting**. This opens up possibilities for making vinyl decals, paper crafts, technical drawings, templates and other flat-sheet projects without needing a completely separate machine.

Detailed Specifications

Specification	Details
Printing Technology	FDM (Fused Deposition Modeling)
Build Volume	330 × 320 × 325 mm (W × D × H)
Typical Printing Speed	Up to approximately 300 mm/s*
Maximum Printing Speed	500 mm/s
Maximum Acceleration	10,000 mm/s ²
Layer Resolution	0.05–0.35 mm
Nozzle Diameter	0.2 / 0.4 / 0.6 / 0.8 mm supported; 0.4 mm included
Nozzle Material	Stainless Steel
Maximum Nozzle Temperature	300°C
Maximum Hotend Flow Rate	28 mm ³ /s
Filament Diameter	1.75 mm
Filament Compatibility	PLA, PETG, TPU, PVA; PLA-CF and PETG-CF with hardened nozzle
Extruder Type	Direct Drive, closed-loop servo extruder
Extruder Gear	Hardened Steel
Filament Cutter	Built-in
Bed Leveling	Automatic bed leveling with automatic Z-offset calibration
Build Plate	Flexible Steel Plate with Textured PEI surface

Specification	Details
Maximum Bed Temperature	80°C
Chassis / Frame Material	Aluminum and Steel
Outer Frame	Plastic
Connectivity	2.4 GHz Wi-Fi, LAN Mode, MicroSD, Bambu Bus
Cloud Connectivity - Global Version	Fully supported
User Interface	3.5-inch touchscreen
Slicing Software	Bambu Studio
Supported Nozzle Sizes	0.2 / 0.4 / 0.6 / 0.8 mm
Power Supply	AC 100-240 V, 50/60 Hz*
Physical Dimensions	544 × 529 × 505 mm
Net Weight	12.8 kg
Print Bed Type	Heated, flexible spring-steel PEI plate
Extruder Motor	Servo Extruder Motor
Hotend Type	High-temperature hotend
Part Cooling	Controlled part-cooling system
Filament Runout Detection	Supported
Power Loss Recovery	Supported
Vibration Compensation	Adaptive vibration compensation

Optional Blade Cutting Specifications

Specification	Details
Supported Pen Diameter	10.5-12.5 mm
Blade Type	45° × 0.35 mm
Blade Pressure	50-600 gf
Maximum Cutting Thickness	0.5 mm
Supported Cutting Mats	LightGrip, StrongGrip
Material Recognition	Blade and pen recognition
Cutting Mat Detection	Supported
Supported Graphics	Bitmap and Vector
Compatible Materials	Paper, PVC, Vinyl, Leather and similar sheet materials

The optional cutting system uses **automatic blade and pen recognition**, along with cutting-mat detection, to simplify setup. It supports both **bitmap and vector graphics**, while the adjustable blade pressure allows the system to work with materials such as paper, vinyl, PVC, leather and other similar sheet materials. This makes the A2L an interesting choice if you want one expandable platform for both **3D fabrication and creative cutting projects**.

Disclaimer: Product dimensions and weight may vary slightly depending on the production batch, accessories, packaging or regional version. Product images are **for reference only** and may differ slightly from the actual product, included accessories, appearance or configuration supplied.