

Bambu Lab X2D 3D Printer (Global Version)

LKR 551,154.00



- **6-Month Warranty Included** for worry-free operation.
- **⚡ Ultra-Fast Printing up to 1,000 mm/s** – High-speed performance with up to **20,000 mm/s² acceleration** for rapid prototyping and production.
- **🔧 Innovative Dual-Nozzle System** – Hybrid **Direct Drive + Bowden**

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extrusion delivers cleaner supports, better surface quality and reduced material waste.

- **65°C Heated Chamber** – Actively heated enclosure with a **300°C hotend** and **120°C heated bed**, ready for demanding engineering materials.
- **Smart, Professional-Grade Printing** – Advanced sensors, dynamic flow calibration, automatic bed leveling, 1080p monitoring camera and powerful Bambu Studio integration.
- printing.

Bambu Lab X2D 3D Printer (Global Version)

The **Bambu Lab X2D 3D Printer (Global Version)** brings high-speed FDM printing, dual-nozzle extrusion and an actively heated chamber into a compact desktop machine. With a generous **256 × 256 × 260 mm** single-nozzle build volume, up to **1,000 mm/s** toolhead speed and acceleration up to **20,000 mm/s²**, it is designed to deliver impressive speed without sacrificing print quality.

Dual-Nozzle Printing with Engineering-Grade Capability

What makes the X2D particularly interesting is its mechanically switched dual-nozzle system. The primary direct-drive extruder handles the model, while the auxiliary extrusion system can handle support materials. Add a fully enclosed chamber capable of heating up to **65°C**, a **300°C maximum nozzle temperature**, automatic bed levelling, real-time monitoring and broad material compatibility, and you have a printer ready for everything from everyday prototypes to demanding functional parts. *Master3D* recommends the X2D for makers, designers, engineers and production users who want serious capability in a compact desktop format.

Key Features

Feature	Details
Dual Extruder with Mechanical Switching	Innovative gear-and-ratchet mechanism switches between two nozzles without requiring additional motors, helping reduce moving mass and improve stability during high-speed printing.
Hybrid Extrusion System	Combines a Direct Drive system on the left for precise model printing with a Bowden system on the right optimized for support materials.

Feature	Details
Reduced Material Waste	Efficient dual-material support workflow helps minimize unnecessary filament consumption when printing complex models.
Dynamic Flow Calibration	High-speed sensors continuously monitor extrusion and material flow, helping detect inconsistencies and reduce the risk of print failures.
Heated Build Chamber	Fully enclosed chamber with active heating up to 65°C , providing a more stable printing environment for engineering materials such as ABS, ASA and Nylon.
Dual Thermal Modes	Cool Mode is optimized for PLA and standard materials, while Heat Mode is designed for high-temperature technical filaments.
High-Speed Precision Printing	Supports printing speeds of up to 1,000 mm/s and acceleration of up to 20,000 mm/s² , delivering fast production without compromising precision.
Advanced Monitoring System	Equipped with up to 31 sensors to monitor temperature, material flow, printing conditions and safety throughout the printing process.
Professional Support Printing Workflow	Dedicated model-and-support material configuration enables cleaner support removal and improved surface finish on complex prints.
Air Filtration System	Multi-stage filtration combines a G3 pre-filter, H12 HEPA filter and activated carbon filter to help reduce airborne particles and odors.
Quiet Operation	Silent operation can achieve noise levels below 50 dB , making the printer more comfortable to use in home, office and workshop environments.

Why Choose the X2D?

The **Bambu Lab X2D** combines speed, automation and material flexibility in one enclosed 3D printer. Automatic bed levelling, intelligent calibration, built-in monitoring and a user-friendly touchscreen make everyday operation simple, while the heated chamber and high-temperature hotend open the door to more demanding engineering materials. With Wi-Fi and USB connectivity plus Bambu Studio integration, you can go from digital model to finished part with very little fuss.

Whether you're producing prototypes, functional components, detailed models or

small production batches, the X2D gives you the kind of performance that can keep up with serious projects. It's a machine that feels less like a hobby printer and more like a compact manufacturing tool — while still being approachable enough for everyday makers.

Frequently Asked Questions

1. Q. What materials can the Bambu Lab X2D print?

A. The X2D supports a wide range of filaments, including PLA, PETG, ABS, ASA, TPU, Nylon, PC and PVA. Its heated chamber and high-temperature hotend make it particularly suitable for users who want to move beyond basic PLA printing.

2. Q. Does the X2D support dual-nozzle printing?

A. Yes. The X2D uses a mechanically switched dual-nozzle system. This allows different materials to be used for the model and support structures, which can be especially useful when working with complex geometries or specialty support materials.

3. Q. Is the X2D suitable for professional use?

A. Absolutely. Its high printing speed, 20,000 mm/s² maximum acceleration, automatic calibration, enclosed heated chamber and broad material compatibility make it well suited to prototyping, functional parts and small-scale production.

Technical Specifications

Specification	Details
Printing Technology	FDM / FFF
Motion System	CoreXY
Build Volume - Single Nozzle	256 × 256 × 260 mm
Build Volume - Dual Nozzle	235.5 × 256 × 256 mm
Extruder Type	Hybrid Dual System - Direct Drive + Bowden
Extrusion Configuration	Left: Direct Drive / Right: Bowden
Nozzle Diameter	0.4 mm
Nozzle Material	Hardened Steel
Filament Diameter	1.75 mm
Maximum Nozzle Temperature	300°C
Maximum Bed Temperature	120°C
Typical Printing Speed	Up to 500 mm/s

Specification	Details
Maximum Printing Speed	Up to 1,000 mm/s
Maximum Acceleration	Up to 20,000 mm/s ²
Maximum Flow Rate	Up to 40 mm ³ /s
Layer Resolution	0.05 – 0.35 mm
Chamber Type	Fully Enclosed, Actively Heated
Maximum Chamber Temperature	Up to 65°C
Bed Leveling	Automatic
Thermal Modes	Cool Mode / Heat Mode
Filament Compatibility	PLA, PETG, ABS, ASA, TPU, PA / Nylon, PC, PVA and other compatible materials
Support Material Printing	Dedicated support-material workflow
Camera	1080p Chamber Camera
Display	5-inch Touchscreen
Connectivity	Wi-Fi, USB
Internal Storage	8GB eMMC
Slicing Software	Bambu Studio
Monitoring System	Up to 31 sensors
Air Filtration	G3 Pre-filter + H12 HEPA Filter + Activated Carbon
Noise Level	Below 50 dB in Silent Mode
Power Supply	100–240V AC, 50/60Hz
Frame Construction	Rigid enclosed metal construction
Printer Weight	Approximately 16.25 kg

Disclaimer: Dimensions and weight may vary slightly depending on the production batch, configuration and included accessories. Product pictures are for reference only, and the actual product may differ slightly in appearance, dimensions, specifications or included components.