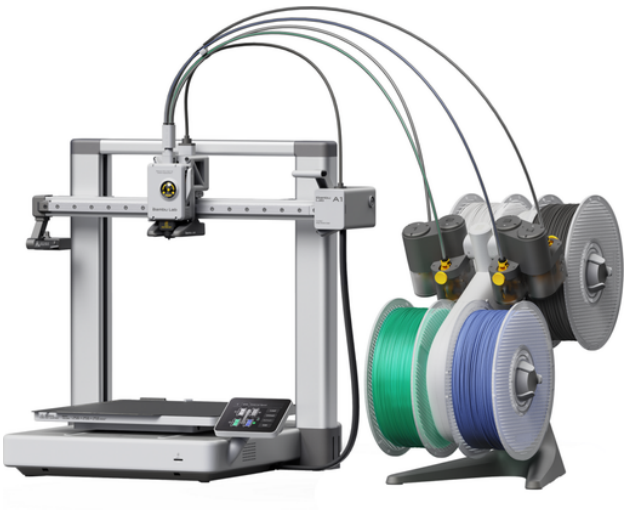

Bambu Lab A1 Combo (Lan Mode Only)

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SKU: 3DW3H823PQ5N6

Price: 8,990.00 DH

Stock: instock

Categories: Imprimantes 3D FDM, 3D Printers

Product Description

Description
The **Bambu Lab A1 Combo** is a powerful 3D printing duo that combines the *A1* 3D printer with the *AMS Lite* material system. The printer and the material system are perfectly coordinated and offer seamless integration. The combination of precision, automation and flexibility sets new standards in 3D printing technology and opens up new ways for users to implement their ideas.

► **Bamboo Lab A1 Robust design for more stability** With a robust metal frame made of steel and extruded aluminium, stable bearings and high-quality linear rails, the *A1* shows what reliability and durability mean. The printer uses high-quality linear rails on both the X and Z axes, as well as a metal guide on the Y axis to withstand the wear and tear caused by rapid movements. Regular lubrication can ensure smooth and precise operation. **Quick-swap hotend** The *A1* is equipped with a quick-swap all-metal hotend with a 0.4 mm quick-change nozzle made of stainless steel. The hotend is designed for temperatures of up to 300 °C to ensure precise and reliable extrusion. To enable faster maintenance, the hotend can be replaced with a clip. **Active flow rate compensation** A high-resolution, high-frequency eddy current sensor measures the pressure in the nozzle in real time. Based on the measured values, the flow rate is actively compensated by a special algorithm or the amount of filament is automatically adjusted in order to always extrude the right amount. This leads to more precise extrusion and improved print quality in many ways. **Fully automatic calibration** ► *Automatic motor noise suppression*: At high speeds, a stepper motor usually produces loud noises. The active motor noise suppression and silent mode, which work with special sensors and algorithms, can reduce the noise level of the A1 to below 48 dB. ► *Automatic Z-Offset*:

Automatically measures how far the nozzle is from the build plate and positions the nozzle to the calculated distance to the build plate. ► *Automatic bed levelling*: The sophisticated, fully automatic system ensures that the printing surface is always perfectly level without the need for manual work. ► *Automatic vibration calibration*: Thanks to special sensors on the tool head and the heated bed, a real-time resonance calibration is performed on the X and Y axes before each print. ► *Automatic belt tension*: Through the so-called vibration frequency calibration, A1 can automatically check the belt tension and trigger an adjustment if necessary. ► *Automatic flow dynamics (Pressure Advance)*: With a special calibration algorithm based on nozzle pressure, no manual adjustments or complex test prints with patterns are required. **Intuitive operation** Thanks to an advanced UI system and an intuitive user interface, operating the 3D printer is easier than ever! **MakerWorld for true artists and explorers** With the MakerWorld platform, Bambu Lab invites the 3D printing community to exchange ideas. The platform combines a variety of functions and offers added value for both beginners and experienced users. Here you can get inspiration, download free (and paid) print models, share your creations with the community, and interact with other users and exchange experiences. **Additional features:**

- Camera lens cover when deactivating the camera,
- LAN mode for remote control and real-time monitoring,
- Real-time monitoring and control via Bambu Studio,
- The loading and unloading of the filament is done automatically with just the push of a button.
- **Improved heating bed cable with Kevlar reinforcement, thicker insulation, softer copper, optimised wire winding, nylon sheathing and extended strain relief.**

►**Bambu Lab AMS lite** The **Bambu Lab AMS lite** is an automatic material system that was specially developed for 3D printers from the *Bambu Lab A1 series*. It enables automated multi-colour and multi-material printing and thus opens up completely new creative possibilities for your 3D printing projects. ► A Bambu Lab 3D printer from the A1 series can only be connected to one AMS lite system and has space for a total of 4 filament spools. The AMS lite is NOT compatible with Bambu Lab 3D printers from the X1 and P1 series. **Automatic filament protection** The system continuously monitors filament consumption and automatically switches to a new spool as soon as the current one is empty. This way you avoid unnecessary interruptions during the printing process and avoid unnecessary filament waste. **Improved spool compatibility** Thanks to a spring-loaded rotating spool holder that firmly grips the spool in the centre, *AMS lite* supports a variety of filament spools, giving you more flexibility in choosing your materials. *Tip* : Even applies to cardboard spools! **RFID filament detection** The Bambu Lab filaments are equipped with an RFID chip and automatically transmit information

about the material to the printer in order to apply suitable print profiles with optimal properties for a specific filament. The RFID tag is automatically synchronised with Bambu Studio software. *Tip* : The printing parameters for filaments from other manufacturers must be configured manually in Bambu Studio or in the printer itself. **Easy maintenance** The system is designed to be easy to clean and maintain. The transparent housing allows the user to view the internal operating structure at any time to avoid possible errors. ► **Note:** The device is delivered WITHOUT filament spools. The filaments shown in the photos are only intended to represent the multi-material system in a possible working setting.

Technical specifications ► *Bamboo Lab A1:*

Device size	465x410x430mm
Net weight	8.3kg
Build volume	256x256x256mm
Housing	Steel, extruded aluminium
Hotend	Quick-swap all-metal hotend
Nozzle	0.4mm, stainless steel
Max. printing temperature	300°C
Max. heating bed temperature	100°C
Max. print speed	500mm/s
Max. acceleration	10 000 mm/s²
Max. flow rate	28 mm³/s
Supported filaments	PLA, PETG, TPU, PVA
Not recommended filaments	ABS, ASA, PC, PA, PET, CF & GF filaments
Cooling	Component fan with closed control loop Hotend fan with closed control loop Mainboard fan with closed control loop
Sensors	Filament sensor Filament Odometry Recovery from power outage Filament knot sensor
Camera	Low-rate camera with up to 1080 pixels
Device display	3.5 inch IPS touchscreen
Interfaces	WiFi, Bamboo Bus, Micro SD, No Handy
Control	Touchscreen, App, Web

Motion control	Dual Core Cortex M4
Supported operating systems	MacOS, Windows
Slicers	Bambu Studio and other slicers that can export G-code (Superslicer, Prusaslicer, Cura)
Voltage	100-240VAC, 50/60Hz
Max. power	1300W@220V 350W@110V

► *Bamboo Lab AMS Lite:*

Device size	397x208x342mm
Gross weight	3.7kg
Material	ABS, PC, POM
Supported materials	PLA, PETG, ABS, ASA, PET, PA, PC, PVA (dry), BVOH (dry), PP, POM, HIPS + Bamboo PLA-CF / PAHT-CF
Not recommended materials	Bambu PLA Glow, Bambu PETG-CF and other PLA glow-in-the-dark filaments
Unsupported filaments	TPE, TPU, PVA (wet), BVOH (wet), Bambu PET-CF / PA6-CF / TPU 95A and other CF and GF filaments
Filament diameter	1.75mm
Supported spool size	Width: 40 - 68 mm Inner diameter: 53 - 58 mm