Bambu Lab AMS HT Automatic Material System High Temperature

LKR 90,912.00

- **6-Month Warranty Included** for worry-free operation.
- High-temperature filament drying up to **85°C** keeps engineering-grade materials dry, reducing print failures caused by moisture.

- Airtight storage with automatic moisture control protects your filament for weeks, ensuring consistent print quality whenever you're ready to print.
- Supports **up to 24-color / multi-material printing** when used with compatible Bambu Lab printers and additional AMS units.
- Features a **60% faster brushless servo feeding system** with automatic RFID filament recognition for smoother, smarter, and hassle-free material management.

Bambu Lab AMS HT Automatic Material System High Temperature

Engineered for High-Performance Filament Management

Take your 3D printing workflow to the next level with the **Bambu Lab AMS HT Automatic Material System High Temperature**. Designed specifically for engineering-grade materials, this advanced automatic material system combines intelligent filament drying, airtight storage, and smooth automatic feeding into one compact solution. Whether you're printing with Nylon, Polycarbonate, ABS, ASA, or other moisture-sensitive filaments, this system helps maintain consistent print quality by keeping your filament dry and ready to use.

Unlike traditional filament storage boxes, the AMS HT actively dries filament at temperatures up to **85°C**, automatically rotates spools for even drying, and uses an electromagnetic air vent to remove moisture efficiently. It also features RFID synchronization for supported Bambu Lab filaments, allowing the system to automatically recognize material settings without manual input. If you're looking for cleaner prints, fewer failed jobs, and a more streamlined workflow, this accessory is a worthwhile upgrade. At *Master3D*, we recommend it for makers, professionals, and engineers who regularly print with demanding materials.

Top Features You'll Appreciate

- **High-temperature filament drying up to 85°C** for engineering-grade materials.
- **Supports up to 24-color or multi-material printing** when combined with additional compatible AMS units.
- **Brushless servo feeding motor** delivers faster, smoother filament loading.

- **RFID automatic filament recognition** for supported Bambu Lab filaments.
- **Airtight sealed storage with active moisture discharge** helps keep filament dry for extended periods.

Five Important Specifications

- **Maximum Drying Temperature:** Up to **85°C**
- **Supported Filament Diameter: 1.75 mm**
- **Filament Compatibility:** PLA, PETG, ABS, ASA, PET, PA (Nylon), PC, PP, POM, HIPS, PVA (dry), BVOH (dry), TPU (AMS compatible), and selected Bambu engineering filaments
- **User Interface:** Built-in status display showing temperature, humidity, and drying progress
- **Weight:** Approximately **1.21 kg**

Why Choose This System?

Moisture is one of the biggest enemies of quality 3D prints. It can cause stringing, weak layers, bubbles, and inconsistent extrusion. Think of the AMS HT as a climate-controlled home for your filament—it dries, protects, and feeds your materials automatically so your printer can focus on producing excellent results. From functional prototypes to professional engineering components, it helps reduce waste while improving reliability.

Its intelligent drying system, automatic spool rotation, and airtight storage work together to ensure your filament stays in peak condition. Combined with Bambu Lab's ecosystem, the AMS HT offers a seamless experience that saves time while delivering consistently better prints. That's why *Master3D* proudly offers this solution to customers who demand dependable performance from every print.

Frequently Asked Questions

1. **Q. Which filaments work with the AMS HT?**

A. The system supports a wide range of 1.75 mm filaments including PLA, PETG, ABS, ASA, PET, PA (Nylon), PC, PP, POM, HIPS, TPU (supported types), and several engineering-grade Bambu Lab materials. Some abrasive or specialty materials should be used through the bypass outlet.

2. **Q. Can it dry filament while storing it?**
   A. Yes. The AMS HT actively dries filament at temperatures up to **85°C**, automatically rotates the spool for even heating, and then maintains an airtight environment to reduce moisture absorption.
3. **Q. Does it support multi-material printing?**
   A. Yes. The AMS HT integrates with compatible Bambu Lab printers and can be combined with additional AMS units to enable printing with up to **24 colors or materials**, depending on the printer configuration.

Specification	Details
Product Name	Bambu Lab AMS HT Automatic Material System High Temperature
Product Type	Automatic Material System & High-Temperature Filament Dryer
Compatibility	Compatible with Bambu Lab printers (X, P, H series and other supported models)
Maximum Drying Temperature	85°C
Filament Diameter	1.75 mm
RFID Filament Recognition	Supported
Filament Odometry	Supported
Active Moisture Discharge	Supported
Rotating Drying Mode	Supported
Airtight Filament Storage	Supported
Temperature & Humidity Monitoring	Supported
Display Screen	Real-time temperature, humidity, and drying time display
Supported Filaments (Printing)	PLA, PETG, ABS, ASA, PET, PA (Nylon), PC, PP, POM, HIPS, PVA (Dry), BVOH (Dry), TPU for AMS, Bambu PLA-CF, PAHT-CF, PETG-CF
Bypass Filament Support	TPE, Generic TPU, PET-CF, TPU 95A, Carbon Fiber & Glass Fiber reinforced materials

Specification	Details
Filaments Not Supported Through AMS Feeding	Damp PVA, Damp BVOH
Spool Width Support	50 mm – 68 mm
Spool Diameter Support	197 mm – 202 mm
Multi-Color / Multi-Material Capability	Up to 24 Colors / Materials (with compatible setup)
Feeding Motor	Brushless Servo Motor
Housing Material	PC / PA
Flame Retardant Rating	UL 94 V-0
Voltage Input	AC 100V–240V, 50/60Hz
Operating Voltage	DC 24V
Average Power Consumption	150W
Dimensions	114 × 280 × 245 mm
Net Weight	1.21 kg
Special Features	RFID Sync, Active Drying, Sealed Storage, Automatic Filament Management, Ceramic Filament Inlet, Over-Temperature Protection

Disclaimer: Dimensions, weight, and other specifications may vary slightly depending on manufacturing revisions or measurement methods. Product images are for reference only and may differ from the actual product supplied. Always refer to the manufacturer's latest specifications before purchase.