



Technology Education Concepts

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**NEW!**



**Bambu Lab**

## Bambu Lab X1E 3D Printer

Professional Capabilities Without the Industrial Price!

The **Bambu Lab X1E** takes 3D printing seriously. Its features enable users to quickly experience 3D printing success combined with ease-of-use and professional capabilities, all while setting a new standard for affordability.

### Key Features

#### Enhanced Connectivity Options:

- Strong Ethernet and secure Wi-Fi options
- Quick switches for Wi-Fi and Ethernet

#### Off-Cloud Operation:

- Works without Bambu Cloud
- Full function in local networks
- Remote control through LAN

#### Advanced Air Filtration:

- Filters 3D printing odors and particles with HEPA filter

#### Active Heating and Temperature Control:

- Regulates chamber temperature for better prints

#### High-Temperature Printing:

- Handles high-performance materials up to 320°C

#### Robust High-Speed Printing:

- Quick and stable printing with advanced motion structure with toolhead acceleration of 20,000 mm/s<sup>2</sup>

#### Vibration and Extrusion Compensation:

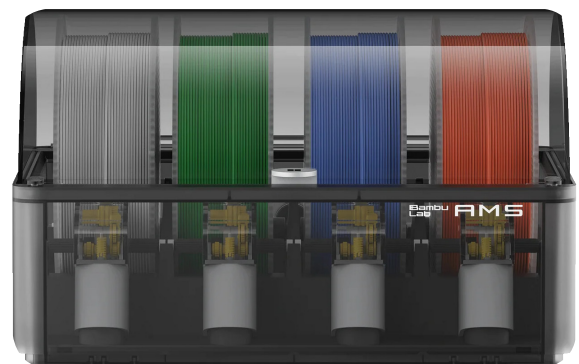
- Auto-adjusts for vibrations and extrusion issues

#### AI Failure Detection:

- Lidar and computer vision to detect first-layer imperfections and automatically pause if issues

#### Intelligent Filament Management:

- AMS System for auto-reload, multi-material printing up to 16 spools, and dedicated support materials.



## Bambu Lab X1E Technical Specification

### Body

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Build Volume:	256*256*256 mm <sup>3</sup>
Chassis:	Steel
Shell:	Aluminum & Glass

### Supported Filament

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PLA, PETG, TPU, PVA, BVOH:	Optimal
ABS, ASA, PC, PA, PET:	Superior
Carbon/Glass Fiber Reinforced PLA, PETG, PA, PET, PC, ABS, ASA:	Superior
PPA-CF/GF, PPS, PPS-CF/GF:	Ideal

### Heating

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Active Chamber Heating:	yes
Maximum Chamber Control Temperature:	60°C

### Air Purification

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Pre-filter grade:	G3
HEPA filter grade:	H12
Activated Carbon Filter type:	Coconut Shell Granulated
VOC Filtration:	Optimal
Particulate Matter Filtration:	Yes

### Network Control

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Ethernet:	yes
Wireless Network:	Wi-Fi
Network Kill Switch:	Wi-Fi & Ethernet
Removable Network Module:	Yes
802.1X Network Access Control:	Yes