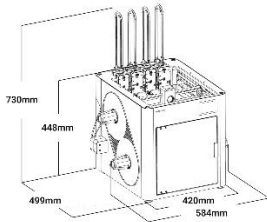


## Snapmaker U1 Specifications (Ver. 2025.09)

### General

- Dimensions: 584mm × 499mm × 730mm
- Weight: 18.2kg



### Printing Properties

- Printing Technology: Fused Deposition Modeling
- Build Volume: 270mm × 270mm × 270mm
- Max Toolhead Speed: 500mm/s
- Max Acceleration Speed: 20,000mm/s<sup>2</sup>

### Toolhead

- Toolheads Included: 4
- Max Flow for Hot End: 32mm<sup>3</sup>/s<sup>[1]</sup>
- Nozzle: Stainless Steel (more options in testing)
- Max Nozzle Temperature: 300°C
- Nozzle Diameter: 0.4mm
- Filament Diameter: 1.75mm
- Part Cooling: Main & Auxiliary Part Cooling Fans

### Heated Bed

- Build Plate: PEI
- Max Heated Bed Temperature: 100°C

### Supported Filament Type

- Basic Material Compatibility: PLA, PETG, TPU, PVA
- With Optional Seal Cover (Coming Soon): PET, ABS, ASA
- With Seal Cover & Hardened Steel Nozzle (Coming Soon): PC, PA, PA-CF, PA-GF (more options in testing)

### Electronics

- Touchscreen: 3.5-inch 320 × 480 Touchscreen

- Data Transmission Methods: Wi-Fi, USB Flash Drive
- Storage: 8 GB eMMC
- Live View Camera: Built-in Chamber Camera

### **Auto-Calibration**

- Heated Bed Leveling: Mesh Bed Leveling
- Active Vibration Control: Accelerometer & Input Shaping Calibration
- Automatic Flow Compensation: Pressure Advance Calibration
- Automatic Toolhead Offset Calibration: Coordinate Measuring Calibration

### **Automatic Filament System**

- Auto-feed: Supported
- Backup Mode: Supported
- Filament RFID Recognition: Supported

### **Failure Detection**

- Air Printing Detection: Supported
- Filament Run-Out Detection: Supported
- Power Loss Recovery: Supported

### **Anomaly Detection**

- Toolhead Swap Error Detection: Supported
- Build Plate Presence Detection: Supported
- Build Plate Obstruction Detection: Supported

### **Software**

- Supported Slicer: Snapmaker Orca, OrcaSlicer
- APP: Snapmaker APP

### **Operating System**

- Software: Windows, macOS, Linux
- APP: Android, iOS

### **Firmware**

- Firmware: Klipper

### ***notes:***

1. <sup>[1]</sup> *This data was obtained using Snapmaker ABS filament, under a printing temperature of 280°C.*