

# Tiertime UP300

Versatility with Precision

New for 2018, the UP300 is targeted for users demanding a large build volume and consistent performance across different materials. It combines new innovations and improved, popular UP features with Tiertime's renowned reliability.

## Key Features:

- 1. Material-Specific Print Heads**
- 2. Double-Sided Interchangeable Build Plates**
- 3. Dual Air Filtration**
- 4. Compatibility with Tiertime Print Queue.**

## Features Explained:

### **1. Material-Specific Print Heads - Optimized for Different Materials**

Each extruder is designed specifically for a matching material type. One is for ABS and other high temperature filaments, one for lower temperature filaments such as PLA, and the other is for TPU, a flexible polyurethane.

### **2. Double-Sided Interchangeable Build Plates**

A first for Tiertime, the Glass surface provides a consistent, flat base, ensuring a smooth model underside, desirable for printing without a raft. This new print board design allows for easier print job removal due to its rigidity.

### **3. Dual Air Filtration**

#### **Healthier 3D Printing via Two Air Filters: HEPA and Activated Carbon**

Improving upon Tiertime's first-in-class air filtration, the UP300's advanced filtration system has a higher airflow capacity capable of maintaining minimal UFP and VOC density inside the printer's large enclosure.

### **4. Control and Monitor Print Jobs with a 4.3" LCD Screen**

A 4.3-inch, full color, LCD touchscreen puts Tiertime Print Queue, print job settings and print job status right at your fingertips. Software-updateable, it can be enhanced for future features.

### **5. Waste Collection Tray**

A removable waste collection tray is positioned below the build platform to make cleaning the bottom of the printer's enclosure a breeze.

### **6. Tiertime Print Queue**

Any user on the network can become the queue's administrator, controlling and re-ordering the print queue.

## **7. Print Directly from USB Stick**

The 2018 Tiertime line of 3D printers includes a spare USB port for loading print tasks from a USB memory stick. A print task is a sliced 3D model file with print settings embedded.

## **8. Ethernet Connection**

In addition to Wi-Fi, the UP300 includes a LAN Port for those preferring to work in a more secure, hard-wired network environment.

## TierTime UP300 Specification Table

Printer	
Printing technology	MEM (Melted Extrusion Modelling)
Extruder	Single
Nozzle Diameter	0.2mm, 0.4mm, 0.6mm
Extruder Maximum Temperature	299°C
Extruder Maximum Travel Speed	200 mm/sec
XYZ Accuracy	2, 2, 0.5 micron
Connectivity	USB cable, Wi-Fi, LAN and USB Stick
Display	4.3" Full Colored LCD Touch Screen
Build Volume	205 × 255 × 225mm (8.7" × 10" × 8.8")(XYZ)
Printed Object Accuracy	±0.1mm/100mm
Layer Resolution	0.05/0.1/0.15/0.2/0.25/0.3/0.35/0.4mm
Calibration and Leveling	Automatic
Build Plate Maximum Temperature	100°C
Build Plate Surface	Perf Glass or Flex Glass, Heated
Enclosure	Full
Dual Filtration System	HEPA and activated carbon filters
Supported Materials	UP Fila ABS, ABS+, PLA , TPU and more
Filament Diameter	1.75mm
Filament Spool Compatibility	500 - 1000g
TierTime Print Queue	Yes
Pause to Change Filament Type	Yes
Out of Filament Detection	Yes
Compatible with 3 <sup>rd</sup> party Materials	Yes
Physical dimensions	
Machine Dimensions	500x523x460 mm (19.6" x 20.5" x 18.1")
Net Weight	30kg
Power requirements	
Input	110-240VAC, 50-60Hz, 220W
Extra USB Input for Add-on	5V, 1A
Software	
Software	UP Studio
Supported OS	Windows 7 SP1 or later, Mac OS X, iOS 8.x/9.x
Supported File Formats	up3, .ups, .stl, .obj, .3mf, .ply, .off, .3ds, .gcode
Preview Support Structures	Yes
Editable Support Structures	Yes
Cloud Print Settings	Yes
Ambient Environment	
Operating Ambient Temperatures	15 - 30°C, 20 - 70% RH non