

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, 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 Version 2 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, 0.5mm, 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 x 255 x 225mm (8.7" x 10" x 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 actived carbon filters V2
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 rd 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	.tsk, 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