

X5

Continuous 3D Printing



Auto-Swapping Build Plate

Loading fresh print plates onto the build bed after the previous print job is complete.



Build Plate Vault

Housing twelve build plates with one 3D Printer



Tiertime Print Queue

Multiple users to stack print jobs into a queue, accessible from the printer's touchscreen and from software.



Dual Filtration System

HEPA and activated carbon filters radically reducing toxic UFP and VOC emissions.

Tiertime X5 Specification Table

Printer	
Printing Technology	MEM (Melted Extrusion Modelling)
Extruder	Single
Nozzle Diameter	0.4mm
Extruder Maximum Temperature	299°C
Extruder Maximum Travel Speed	200 mm/sec
XYZ Accuracy	2, 2, 0.5 micron
Connectivity	USB cable, WiFi, LAN and USB Stick
Display	7" Full colored LCD Touch screen
Build Volume	180 × 230 × 200 mm (7.1" x 9.1" x7.9") (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	Manual Calibration and Leveling
Build Plate Maximum Temperature	100°C
Build Plate Surface	UP Perf, 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 - 2000g
Filament Spool Holder Compatibility	500 - 1000g
Pause to Change Filament Type	Yes
Out of Filament Detection	Yes
Tiertime Print Queue	Yes
Compatible with 3 rd party Materials	Yes
Physical Dimensions	
Machine Dimensions	850 x 625 x 520 mm(33.5" x 24.6" x 20.5")
Net Weight	50kg
Power Requirements	
Input	110-240VAC, 50-60Hz, 220W
Extra USB Input for Add-on	5V, 1A
Software	
Software	UP Studio
Supported OS	Windows 7/8/10, 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

Tiertime X5

Short-Run Workhorse

The X5 is a breakthrough in 3D printing, designed from the ground up for low-volume manufacturing. Capable of automatically feeding up to 12 plates onto its build platform and reloading during printing, it provides a continuous 3D printing experience.

Key Features:

- 1. Auto-Swapping Build Plate + Tiertime Print Queue**
- 2. 7-Inch LCD Touchscreen and Clear Top Cover**
- 3. Three USB Ports**
- 4. Dual Filtration System**

Features Explained:

1. Auto-Swapping Build Plate + Tiertime Print Queue

The X5 features an auto-swapping print platform system, automatically loading fresh build plates onto the build platform after the previous print job is complete. The plate vault is accessible from a side door, meaning yesterday's print beds can be cleaned and reinserted into the vault stack while the printer is working on today's jobs. Thanks to the new Tiertime Print Queue, the result is a software-controlled, multi-part production solution.

When a print job is finished, its plates is pushed out of the X5 and replaced by a plates from the vault, ready to begin the next print job in the queue. A 2kg filament spool capacity and the ability to pause printing to change spools ensure long-duration functionality with minimal print bed and spool maintenance.

2. 7-Inch LCD Touchscreen and Clear Top Cover

Checking print job status has never been easier. The X5's large LCD screen reports print queue progress and the printer's transparent top makes visual build confirmation effortless.

3. Three USB Ports

One USB port is for loading print jobs stored on a USB memory stick. Another USB port is for computer connectivity and still another USB port is for optional add-ons, such as a USB camera for remote print monitoring.

4. Dual Filtration System

Manufacturing with plastic doesn't have to be unhealthy for equipment operators. The X5 includes Tiertime's 2018 air filtration system, specifically designed for large build chambers. Air is recirculated through separate HEPA and activated carbon filters, radically reducing toxic UFP and VOC emissions.