UP mini 2 ES

3D Printer Accessibility Redefined

- Compatible with Tiertime Print Queue
- Enhanced 3D Printing Workflow
- HEPA and Activated Carbon Filter

Distributed by

Learning Labs, Inc.

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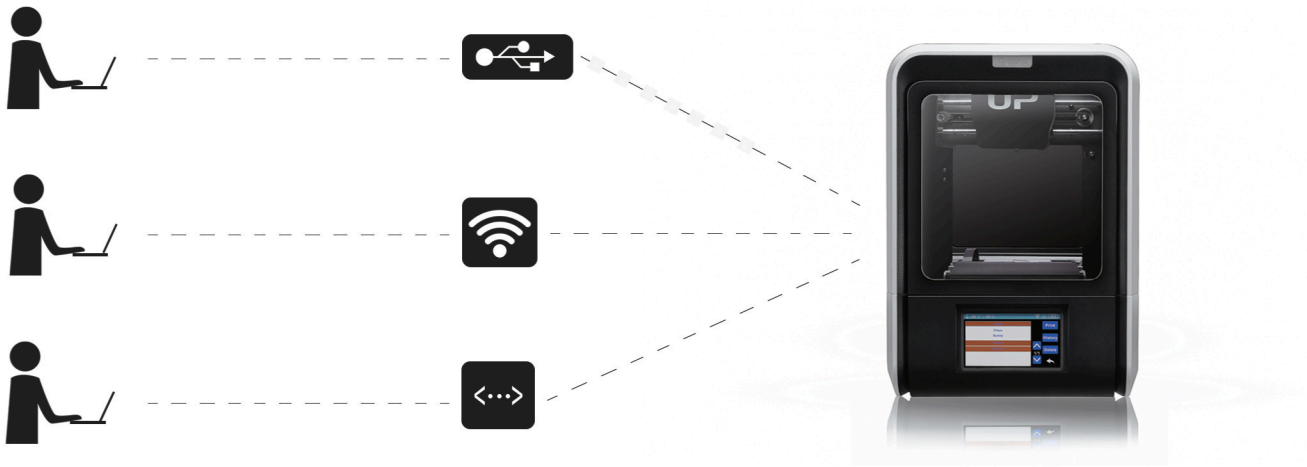
Designed and Manufactured by Tiertime Corporation

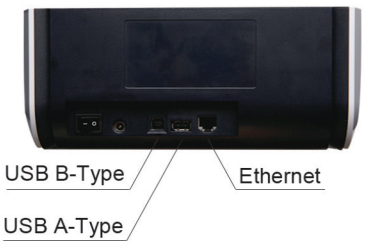
The UP mini 2 ES is a more advanced mini 2 with updated hardware and software. It retains its predecessor's full enclosure with built-in HEPA filtration, providing a perfect combination of emissions protection and build chamber temperature stability, crucial for ABS printing.

Tiertime Print Queue

Tiertime's new Print Queue allows more than one user to send print jobs to the printer simultaneously. The Admin of Print Queue has permission to start, stop, and pause the printer as well as adjust the queue list's order and remove print jobs.



Input sources for the Print Queue can include USB, Wi-Fi, and LAN. Whether you are a STEM teacher, a designer, an engineer or the proprietor of a miniature factory, the UP mini 2 ES Print Queue offers a robust, easily-accessed, multi-job print experience for extended production cycles.

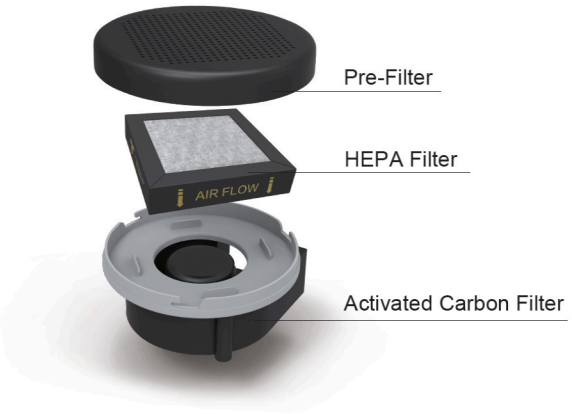


Enhanced 3D Printing Workflow

An Ethernet socket allows you to connect your printer to a wired Local Area Network for maximum security in a wireless environment. A second USB port allows you to load sliced print tasks from a USB memory stick and launch the print job from the printer's LCD touchscreen.

HEPA and Activated Carbon Filter

Effectively reduce these toxic elements, known to be triggers for those suffering from asthma and other pulmonary disorders.



Specifications

Printing Technology	MEM (Melted Extrusion Modeling)
Extruder	Single
Nozzle Diameter	0.4 mm
Extruder Maximum Temperature	299℃
XYZ Accuracy	2, 2, 2 micron
Connectivity	USB cable, WiFi, LAN and USB Stick
Touch Screen	4.3″ Full Colored LCD Screen
Build Volume	120 × 120 × 120 mm (XYZ)
Printed Object Accuracy	±0.15 mm/ 100 mm
Layer Resolution	0.15/0.2/0.25/0.3/0.35 mm
Build Plate Calibration	Automatic Nozzle Height Detection, Software-Assisted Leveling
Build Plate Maximum Temperature	70℃
Print Surface	UP Perf or UP Flex, Heated
Filtration System	HEPA and actived carbon filters
Print Resume On Power Interrupt	Yes
Pause to Change Filament Type	Yes
Filament	UP Fila ABS, ABS+, and PLA
Filament Diameter	1.75 mm
Filament Spool Compatibility	500 g
Compatible with 3rd Party Materials	Yes
Tiertime Print Queue	Yes
Operating Sound	47 db

Software

Software
UP Studio

Supported OS
Windows 7 SP1 or later
Mac OS X, iOS 8.x/9.x

Importable File Formats
up3, .ups, .stl, .obj, .3mf, .ply, .off, .3ds, .gcode

Preview Support Structures
Yes

Editable Support Structures
Yes

Cloud Based Print Settings
Yes

Environment

Operating Ambient Temperatures
15 - 30℃ , 20 - 70% RH non

Dimensions

Machine Dimensions
255× 365 × 385 mm
(19.1″ x 20.5″ x 19.5″)

Requirements

Power Input
110-240 VAC，50-60 Hz，90 W