X5

Continuous Production System
Non-stop 3D Printing with Automated Bed Loading

- Continuous Printing one or A Thousand Parts
- Continuous Throughput 8 Print Beds
- Build Volume 180 x 230 x 200mm
- Internallg Circulated Dual Filtration HEPA + Carbon
- Industrial Materials

Designed and Manufactured by Tiertime Corporation

Meet the X5

A breakthrough in production 3D printing and designed for reliability and repeatability. Capable of automatically loading up to 8 build plates and reloading during printing, The X5 provides a seamless 3D printing experience with unmatched throughput and minimal operator intervention.

Industrial Strength Parts

With optional specialty print heads, the X5 can print a wide range of industrial strength, from ABS, Polycarbonate, Nylon and a wide range of elastomers.

Smarter Choices, More Possibilities

From it's filament run-out detection, resume on power outage to it's dual fume filtration system, the X5 offers high reliability and repeatable accuracy.

Print up to 3 Times Faster*

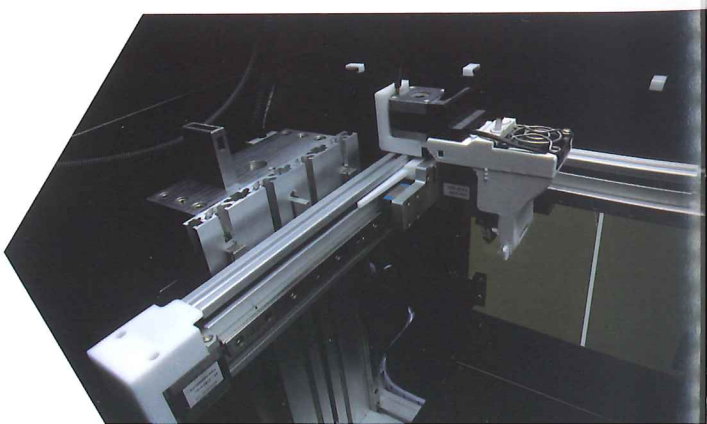
*Based on common desktop 3D printers in a school or office that might finish a job on a Friday night at 8pm, the entire weekend of potential production is lost. Where the X5 will continuously print over the entire weekend and nights with no loss of production time.

High Precision

Using solid metal structure, high quality lead screws, linear rails and precision motors, the X5 produces parts with high accuracy and precision. The X5 is developed from the ground up based on 17 years of Tiertime 3d printing expertise and 10,000 hours of rigid testing.

Enhanced Workflow

Multiple users can queue different jobs over the network to the print queue.



Increased Productivity

With its innovative build-plate reloading system, the X5 can continuously print with little user intervention. If a print job finishes at 2 am, that's no problem for the X5 as it will eject the completed print and start on the next queued job, providing designers, engineers and educators access to continuous 3D printing.

Specifications

Printing Technology	MEM (Melted Extrusion Modeling)
Print Heads	Single (material-specific print heads)
Nozzle Diameter	0.2mm, 0.4 mm, 0.5mm, 0.6mm
Extruder Max Temp.	299℃
Extruder Max Travel Speed	200 mm/sec
XYZ Position Accuracy	2, 2, 0.5 micron
File Transfer:	USB cable, Wi-Fi, LAN and USB Stick
Display	7″ Full-Color Touch Screen/ Linux based
Build Volume	180×230×200mm (7″ x 9″ x 7.9″)(XYZ)
Printed Object Accuracy	±0.1 mm / 100 mm
Platform Leveling	Automatic
Layer Resolution	0.2 / 0.4 / 0.5 / 0.6mm
Build Plate Surface	UP perforated
Dual Filtration System	Internal Circulated HEPA and Actived Carbon Dual Filtration System
Pause to Change Filament Type	Yes
Supported Materials	UP Fila ABS, ABS+, PLA , TPU and more third party material
Filament Diameter	1.75 mm
Filament Spool Compatibility	500g - 2000g, additional spool holder for printing flexiable material
Compatible for 3rd Party Materials	Yes

Software

Software
UP Studio

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

Supported File Formats:
.tsk, up3, .ups, .stl, .obj, .3mf, .ply, .off, .3ds

Special Features

- Tiertime Print Queue
- Power Loss Recovery
- Filament Ran-Out Protection
- Support Structure Preview
- Editable Support Structure

Dimensions

Machine Dimension
850 x 625 x 520 mm,
(33.4″ x 24.6″ x 20.5″)

Machine Net Weight
52kg

Environment

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

Requirements

Power Input
110-240 VAC, 50-60 Hz, 220 W