Tiertime X5

CONTINUOUS PRODUCTION SYSTEM

Non-stop 3D printing with automated bed loading

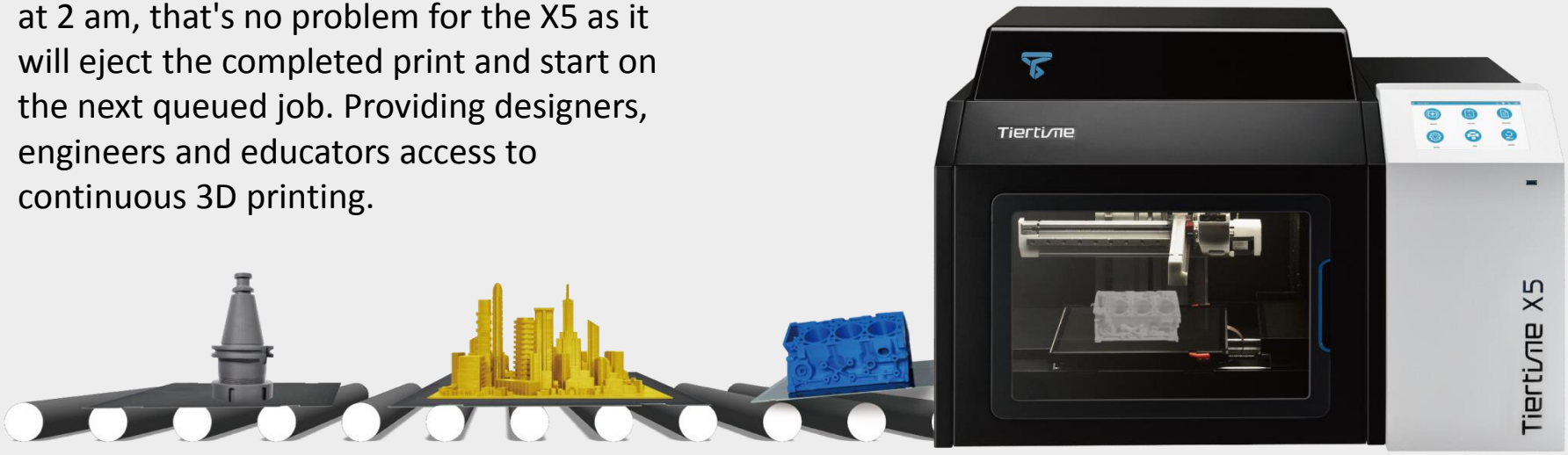
- Continuous one or a thousand parts
- Build volume 180 x 230 x 200mm
- Industrial materials

Meet the X5

A breakthrough in production 3D printing and designed for reliability and repeatability. Capable of automatically loading up to 12 build plates and reloading during printing, The X5 provides a seamless 3D printing experience with unmatched throughput and minimal operator intervention.

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.



High Precision

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

Enhanced Workflow

On the X5, multiple users can queue different jobs over the network to the print queue.

Current list | History list

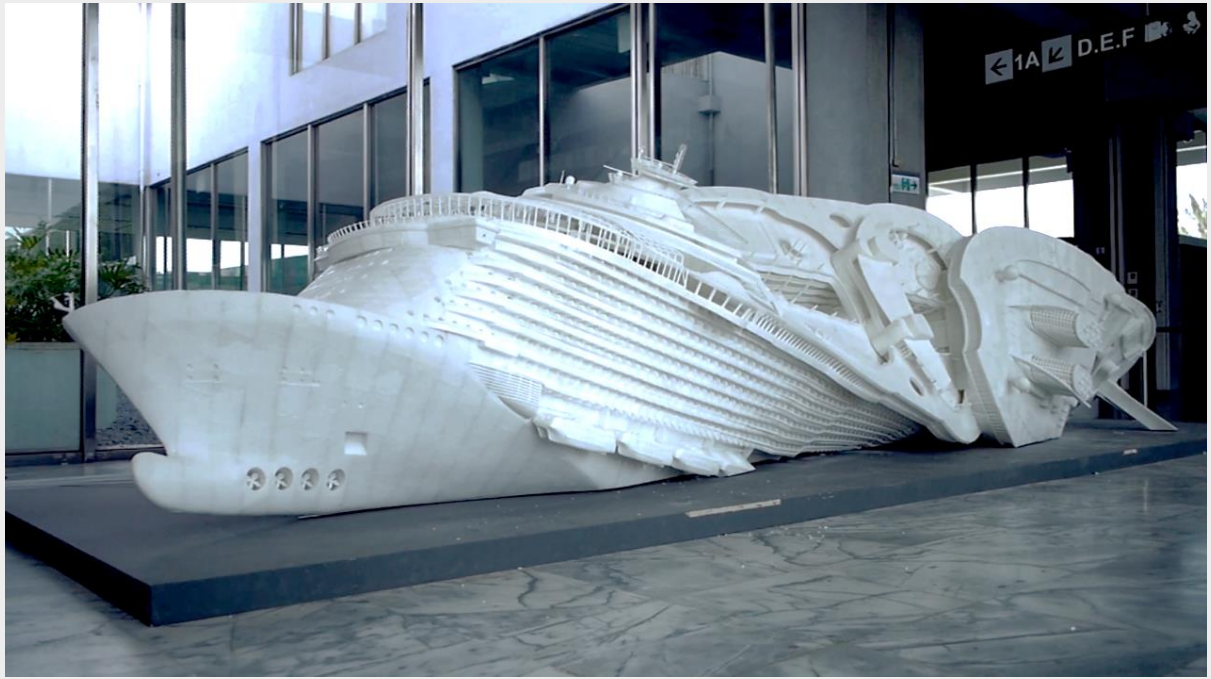
Print order	Name	Status	Task publisher	Upload time	Total print time	Operation
1	pyramid	Waiting	mba2	2018-10-24 18:02:19	1h40m	
2	prism	Waiting	mba2	2018-10-25 14:06:44	12m	
3	prism	Waiting	mba2	2018-10-25 14:07:39	12m	
4	Pumpkin-BEN	Waiting	tier	2018-10-29 18:29:15	6h8m	
5	Sphere	Waiting	tier	2018-10-29 18:31:28	9m	

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 its run-out filament detection to resume on power outage, from its auto platform leveling to 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.

Specifications

Printer & Printing Properties

Printing technology	MEM (Melted Extrusion Modeling)
Print Heads	Single (material-specific print heads) PLA print head as default Optional all metal ABS print head and TPU print head
Build Volume	180 x 230 x 200mm, (7.1" x 9.1" x 7.9")(XYZ)
Layer Resolution	Print profiles tuned and optimized for: 0.2mm nozzle: 50 - 100 micron, high detail print 0.4mm nozzle: 100 - 350 micron, balanced print 0.5mm nozzle: 200 - 350 micron, optimized for printing TPU 0.6mm nozzle: 350 - 400 micron, fast print speed
Nozzle Diameter	0.2mm, 0.4mm, 0.5mm, 0.6mm
Extruder Max Temp.	299℃
Platform Max Temp.	100℃
Extruder Max Travel Speed	200 mm/sec
XYZ Position Accuracy	2, 2, 0.5 micron
Printed Object Accuracy	±0.1mm/100mm
Platform Leveling	Automatic
Build Plate Surface	UP perforated
Display	7" Full-Color Touch Screen/ Linux based
Special Specs:	Build Plate Auto-Swapping & Re-loading System Internal Circulated HEPA and Activated Carbon Filtration System Out of Filament Detection Power Loss Recovery

Material

Supported Materials	UP Fila ABS, ABS+, PLA , TPU and more third party material
Filament Diameter	1.75mm
Filament Spool Compatibility	500g - 2000g additional spool holder for flexible material

Software

Software	UP Studio
File Transfer	USB cable, Wi-Fi, LAN and USB Stick
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
Special Specs	Smart Support Tiertime Print Queue Print Preview Editable Support Structures

Dimensions

Machine Dimensions	850 x 625 x 520 mm (33.4" x 24.6" x 20.5")
Shipping Dimension	736 x 1006 x 702mm (29" x 39.6" x 27.6")
Net Weight	52KG
Shipping Weight	75KG

Requirement

Power Input	110-240VAC, 50-60Hz, 220W Extra USB Input for Add-on (5V, 1A)
Operating Ambient Temp.	15 - 30℃, 20% - 70% RH non