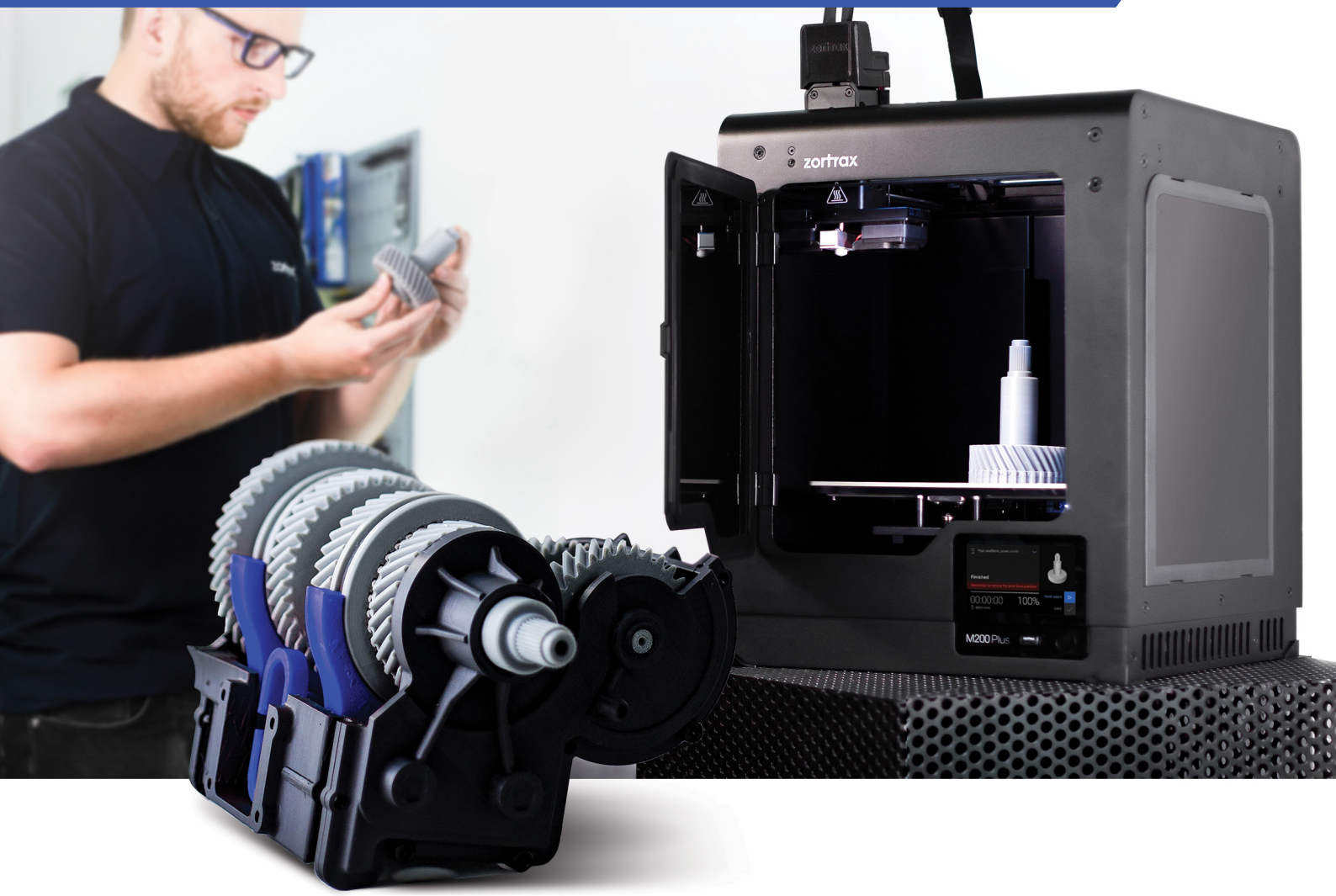
Zortrax M200 Plus

HIGH PERFORMANCE FDM 3D PRINTER



Manufacturing Powerhouse

Zortrax M200 Plus is a high-performance desktop 3D printer with wireless connectivity. It's designed to work in large 3D printing farms as a powerhouse of rapid prototyping, design, and production. The printer works in the LPD technology, Zortrax original take on Fused Deposition Modeling (FDM) guaranteeing high quality results and low maintenance. It deposits melted thermoplastic filaments layer by layer to turn digital models into physical objects. FDM is the most cost-efficient technique of 3D printing on the market, which makes it perfect for rapid prototyping and manufacturing without putting extensive strains on the budget. Designed as a basic production unit for a 3D printing farm, Zortrax M200 Plus is made for reliable, unsupervised operation over long periods of time. Dedicated Z-SUITE software has all the features necessary for remote management of multiple M200 Plus 3D printers over Wi-Fi to efficiently cope with scalable, flexible rapid manufacturing.

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Economics Behind Farming

Multiple Zortrax M200 Plus 3D printers connected into a 3D printing farm can help optimize rapid manufacturing, prototyping, and design. They speed up the low-volume production by increasing the number of products that can be made in one go. Research and development staff can quickly test different variations of their designs to find the best possible solutions while designers are free to print their concepts on any of the available printers at any given time. Zortrax M200 Plus is more than capable of working in large established corporations and small businesses alike.

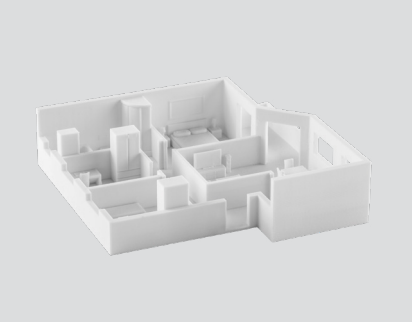
Zortrax Ecosystem

Zortrax Ecosystem comprises of Z-SUITE slicing software and dedicated 3D printing filaments designed to seamlessly work with the printers. External materials are also supported to cater to advanced users in highly specialized fields. The Ecosystem is easy to operate for untrained staff, but can also be highly customized by those who want to go beyond the default settings. That's why it's a comprehensive solution for efficient prototyping and manufacturing.

Zortrax M200 Plus Main Features

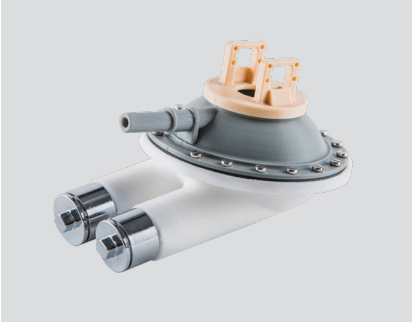
- Workspace measures 200x200x180 mm
- Wi-Fi and Ethernet connectivity
- Can work in 3D printing farms
- Offers advanced remote management
- Has a filament endstop mechanism
- Has a built-in camera
- Has an Intuitive LCD touchscreen
- Cooling system has been upgraded (double fan and extruder cooling)
- Extruder has been upgraded (redesigned hotend v3 and nozzle with new geometry)
- Offers compatibility with flex-type materials
- Works with wide range of dedicated filaments
- Supports third-party filaments

Applications



Architecture

A 3D printer is becoming more and more indispensable in architecture modeling. Scale models for large landscape mock-ups, concepts of buildings or apartments' cross-sections can be effortlessly 3D printed down to a millimeter precision.



Engineering and Medicine

Prototyping machines and intricate mechanisms is what 3D printers are usually used for in all fields of engineering. Personalized, custom-made lab equipment or prototypes of surgical tools can also be 3D printed when needed.

Consumer Electronics

Each piece of consumer electronics goes through an extensive prototyping stage before hitting the market. A 3D printer allows to get the product exactly right by quickly iterating through tens of different designs without putting a strain on the budget.

Zortrax M200 Plus Technical Data

Device	
Build volume	200 x 200 x 180 mm (7.9 x 7.9 x 7.1 in)
Material container	Spool
Material diameter	1.75 mm (0.069 in)
Nozzle diameter	0.4 mm (0.016 in)
Support	Mechanically removed - printed with the same material as the model
Extruder	Single (upgraded for more demanding materials)
Extruder cooling system	Radial fan cooling the extruder block; two fans cooling the print
Hotend	Redesigned (v3), new geometry of the nozzle
Material endstop	Mechanical
Platform	Perforated, equipped with pogo pins
Connectivity	Wi-Fi, Ethernet, USB
Operating system	Android
Processor	Quad Core
Touchscreen	4" IPS 800 x 480
Camera	Yes
External materials	Applicable

Software	
Software bundle	Z-SUITE
Supported input file types	.stl, .obj, .dxf, .3mf
Supported operating systems	Mac OS X / Windows 7 and newer versions

Printing	
Technology	LPD (Layer Plastic Deposition) – depositing melted material layer by layer onto the build platform
Layer resolution	90 - 390 microns
Minimal wall thickness	400 microns
Platform levelling	Automatic measurement of platform points' height

Temperature	
Maximum printing temperature (extruder)	290° C (554° F)
Maximum platform temperature	105° C (221° F)
Ambient operation temperature	20 - 30° C (68 - 86° F)
Storage temperature	0 - 35° C (32 - 95° F)

Electrical	
AC input	110 V ~ 5.9 A 50/60 Hz ; 240 V ~ 2.5 A 50/60 Hz
Maximum power consumption	320W

In the box
3D Printer, Hotend V3, Side Covers, Z-SUITE, Starter Kit, spool of material, improved spoolholder

Additional information
All information contained in this brochure and specification is subject to change without notice.

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