



# Zortrax M300 Plus

LARGE FDM WI-FI 3D PRINTER



## Scale It Up

Zortrax M300 Plus is a high-performance Wi-Fi 3D printer with a large workspace. Wireless connectivity enables it to work as a basic production unit in huge 3D printing farms. Zortrax M300 Plus offers the same renowned reliability and quality of prints distinguishing all M series 3D printers. Its workspace is one of the largest among desktop class devices, measuring 300 x 300 x 300 mm, enough to print big models in one go.

Zortrax M300 Plus uses LPD technology, Zortrax's 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. It enables 3D printing from a wide variety of polymers that allow the production of models with specific mechanical, chemical and thermal properties.



## Big Models in One Go

Zortrax M300 Plus large workspace is particularly useful when 3D printing big models in one piece is needed. That's why it is a perfect choice for automotive or aerospace industries and architecture. It's also an efficient short-series production device because the build platform can easily accommodate multiple models. A network of Zortrax M300 Plus 3D printers can be remotely controlled due to 3D printing farm management capabilities included in the Zortrax dedicated Z-SUITE software that comes free with all our 3D printers. In order to monitor the print conformity and minimize waste, Zortrax M300 Plus was equipped with a built-in camera inside the printing chamber, as well as new smart functionalities of the filament endstop mechanism.

## Heritage of Quality

M series 3D printers laid the foundation for what Zortrax is today. They have won numerous industry awards and earned worldwide recognition finding their way to Bosch and NASA among others. Zortrax M300 Plus is the latest addition to the line that has become the epitome of quality for professionals around the globe.

## Zortrax Ecosystem and Beyond

Zortrax M300 Plus is a part of a larger Zortrax Ecosystem comprising of advanced slicing and farm management software called Z-SUITE and a wide range of dedicated filaments designed to work with the printer. These include all the materials previously available on the original M300 and the ability to 3D print with Z-ULTRAT. Moreover, the extruder has been overhauled with an additional cooling fan and its internal construction has been modified (including the hotend and new nozzle geometry), which allows 3D printing with flex-type materials. With all those elements working seamlessly together, 3D printing becomes an effortless, intuitive experience. All 1.75 mm third-party filaments are also supported to cater to advanced users looking for less popular, more sophisticated applications.

## Technical Data

- Large build volume (300x300x300 mm)
- Wi-Fi and Ethernet connectivity
- 3D printing farms ready
- Advanced remote management
- Filament endstop mechanism
- Built-in camera
- Intuitive LCD touchscreen
- Improved axes geometry

- Upgraded cooling system (double fan and extruder cooling)
- Upgraded extruder (redesigned hotend v3 and nozzle with new geometry)
- Compatible with flex-type materials
- Compatible with Z-ULTRAT
- Wide range of dedicated filaments
- External materials are applicable

## Technical Data

Device	
Build volume	300 x 300 x 300 mm (11.8 x 11.8 x 11.8 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
Platform	Perforated, heated
Material endstop	Mechanical
Connectivity	Wi-Fi, Ethernet, USB
Operating system	Android
Processor	Quad Core
Touchscreen	4" IPS 800 x 480
Camera	Yes
Available materials	Z-ULTRAT, Z-PETG, Z-GLASS, Z-HIPS, Z-ASAPro, Z-PLAPro, Z-ESD, Z-SEMIFLEX
External materials	Applicable

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

In the box
3D Printer, Hotend V3, Side Covers, Z-SUITE, Starter Kit, 2 spools of material, spoolholder

Printing	
Technology	LPD (Layer Plastic Deposition) – depositing melted material layer by layer onto the build platform
Layer resolution	90 - 290 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	360 W

Weight and physical dimensions	
Without a spool (W x D x H)	479.5 x 514 x 664.5 mm (18.88 x 20.24 x 26.16 in)
With a spool	479.5 x 575.6 x 664.5 mm (18.88 x 22.66 x 26.16 in)
Shipping box	566 x 566 x 823 mm (22.28 x 22.28 x 32.4 in)
Device weight	41 kg (90.4 lb)
Shipping weight	55 kg (121.3 lb)

Additional information
Each delivered printer may have worked up to 90 hours during the quality control test prints.
All information contained in this brochure and specification is subject to change without notice.

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## Contact your local Reseller

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