



# zortrax M200 Plus

The new  
high-performance 3D printer  
plus the power of wireless connectivity



## 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. Zortrax M200 Plus deposits fused plastic filament layer by layer to accurately 3D print digital models. Layer Plastic Deposition (LPD), Zortrax original take on FFF technology, guarantees consistent high quality results and low maintenance.

## Meet your production goals

Zortrax M200 Plus is made for reliable, unsupervised operation over long periods of time. Designed as a basic production unit for a 3D printing farm, it notifies the user only when maintenance is needed or the printing is done. Dedicated Z-SUITE software has all necessary features for remote management of multiple M200 Plus 3D printers over Wi-Fi to efficiently cope with scalable, flexible rapid manufacturing.

*Maximize your productivity and reduce lead times by managing multiple 3D printers at once.*



*Zortrax M200 Plus can work as a wireless manufacturing device, as well as a robust desktop design tool.*



*All settings are under your thumb thanks to the highly intuitive and user-friendly navigation.*

## **Keep an eye on your prints**

Based on Zortrax M200 award-winning design, Zortrax M200 Plus takes what's best about our flagship 3D printer and expands its capabilities even further with a number of cutting-edge upgrades.

# Key technical features of Zortrax M200 Plus



Wi-Fi module for wireless file transfer and firmware updates.



Improved extruder enables 3D printing with advanced and semi-flexible filaments like Z-SEMIFLEX.



Upgraded cooling system provides warpage-free 3D printing and fast heat removal. Additional airflow directed at the model improves 3D printing of thin walls and extended details.



New perforated plate with pogo pins for safer model extraction.



Onboard camera for remote 3D printing preview and control. Check the progress of 3D printing on your computer's screen.



Material end stop function will automatically notify the user and pause the process when the filament runs out. It allows for using up the whole spool of material and reduces user's engagement.



Remote control over 3D printing process via Z-SUITE software.



Touchscreen for fast, intuitive navigation. You can also preview models directly on the screen.



USB port as an alternative file transfer method.



Aluminum frame plus the highest quality components.



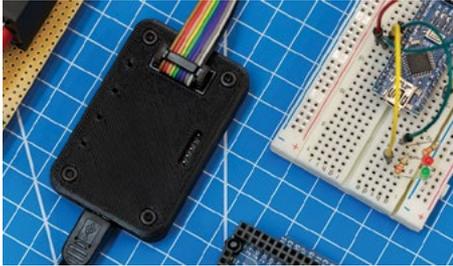
## Economics behind farming

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 one can make in one go. Research and development staff can quickly test different variations of their designs to find the best possible solution 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 to answer all the needs of your enterprise.

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*Multiple Zortrax M200 Plus 3D printers connected into a 3D printing farm manageable from a single computer.*

# Applications in manufacturing



## End-use parts

*Produce high-quality final parts suitable for industrial and consumer products.*



## Tooling

*3D print precise customized parts necessary to keep the assembly line running.*



## Automotive industry

*Rely on 3D printer-assisted manufacturing of interior and exterior parts for the automotive industry.*



## Mold making

*Use various methods of mold making to efficiently run low-series production.*



## Jigs and fixtures

*Create durable, time-lasting jigs and fixtures meant to optimize the production lines.*



## Casings

*Wide filament range allows you to manufacture casings and containers of various properties.*

# Applications in design



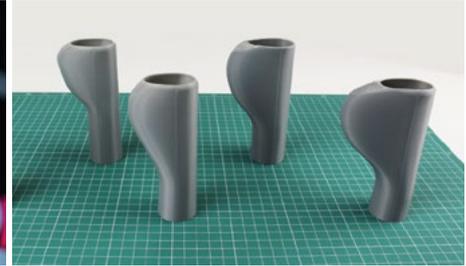
## Prototyping

*Test and customize your designs on the fly, without waiting for third-party manufacturers.*



## Consumer products

*Economically test various iterations of your products before starting the full-scale production.*



## Drafting

*Low-cost and fast 3D printing allows for efficient design drafting.*



## Architectural mock-ups

*Convey your vision by creating stunning, detailed architectural mock-ups.*



## Medical models

*Combine traditional medical imaging methods with 3D printing to gain useful insight into each case.*



## Educational aids

*Provide students with tangible 3D printed learning props to make difficult subjects more comprehensible.*



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*Zortrax Ecosystem is an integrated 3D printing solution guaranteeing consistent high quality of its every component.*

## Comprehensive solution

Zortrax Ecosystem of seamlessly integrated 3D printers, software, filaments, and accessories makes 3D printing easy even for untrained staff. People at the company can use it with no need for qualified 3D printing technicians.

## Manage your 3D printers remotely

Zortrax Z-SUITE slicer is an ever-ready software solution for efficient prototyping and manufacturing. Free license coming with all Zortrax 3D printers includes all future updates. Designed to make the 3D printing process simple and accessible, Z-SUITE has now been improved with remote 3D printing farm management capability.

# Key features of Z-SUITE



Wireless file transfer for remote 3D printing management and firmware updates.



3D printing farm management functionality allows you to control all connected 3D printers from a single computer.



Camera feed provides real-time preview of 3D printing progress.



Automatic mesh repair fixes model's polygons during loading and ensures flawless 3D printing.



Thin wall detection automatically detects and pinpoints problematic areas of the model.



Multiple infill options allows you to control material's consumption and model's durability.



Editable support provides you with user-friendly way of modifying automatically generated support structures or adding your own.



Tabbed projects let you work on multiple projects simultaneously.



Settings profiles makes the 3D printing preparations even faster.



External materials support allows you to experiment with all 1.75 mm filaments.

## Wide range variety of materials

The range of filaments compatible with Zortrax M200 Plus includes Zortrax as well as third-party filaments. The 3D printer works with all M-series materials and semi-flexible Z-SEMIFLEX. You can choose from a wide range of high-quality Zortrax filaments.



### Z-SEMIFLEX

*is a semi-elastic filament excellent for industrial parts and models requiring elasticity.*



### Z-PLA Pro

*is a biodegradable material meant for large-scale architectural mock-ups with flawless surface.*



### Z-ASA Pro

*makes outdoor testing possible with reliable weather and UV light resistances.*



### Z-ESD

*provides parts and tools with electrostatic discharge protection making it especially usable in electronic manufacturing.*



### Z-ULTRAT

*is an exceptionally durable and time-lasting blend of ABS designed to withstand impacts and high stress.*



### Z-ABS

*material's low cost and easy post-processing makes it ideal for fast drafting and structural prototyping.*



### Z-PCABS

*excels where extra durability is required, especially for interior and exterior parts for automotive industry.*



### Z-PETG

*allows you 3D print mechanical components, tools and parts that are resistant to chemical substances.*



### Z-HIPS

*is a reliable choice for 3D printing objects with large, flat surfaces, like architectural mock-ups, casings and mechanical part prototypes.*



### Z-GLASS

*allows you to replace brittle glass elements with sturdier semi-transparent parts.*

## Zortrax HEPA Cover

### Quality of your prints covered

Zortrax HEPA Cover is a filtering device compatible with Zortrax M200 and Zortrax M200 Plus 3D printers. It keeps the temperature stable inside the printing chamber to reduce warping of ABS-based materials. Built-in carbon filter gets rid of unpleasant odors released in the 3D printing process, while HEPA filter catches over 99% of 3D printing emissions, including ultra fine particles. Zortrax HEPA Cover is sold separately from the Zortrax M200 Plus 3D printer.

*Installation of Zortrax HEPA Cover is fast, easy and requires no additional tools.*





## Device features

- Compatible with Zortrax M200 and M200 Plus 3D printers
- Maintains stable temperature inside the printing chamber to reduce warping of ABS-based materials
- Carbon filter eliminates unpleasant smells
- HEPA filter catches over 99% of 3D printing emissions, including ultra fine particles
- Electric fan with regulated speed
- Dimensions: 426x357x230 mm

A filtering device for Zortrax M200 and M200 Plus 3D printers.

# Technical Data

Device features	
<b>Build volume</b>	200 x 200 x 180 mm (7.9 x 7.9 x 7.1 in)
<b>Material container</b>	Spool
<b>Material diameter</b>	1.75 mm (0.069 in)
<b>Nozzle diameter</b>	0.4 mm (0.016 in)
<b>Support</b>	Mechanically removed - printed with the same material as the model
<b>Extruder</b>	Single (upgraded for more demanding materials)
<b>Extruder cooling system</b>	Radial fan cooling the extruder block; two fans cooling the print
<b>Hotend</b>	Redesigned (v3), new geometry of the nozzle
<b>Material endstop</b>	Mechanical
<b>Platform</b>	Perforated, heated, equipped with Pogo pins
<b>Connectivity</b>	Wi-Fi, USB, Ethernet,
<b>Operating system</b>	Android
<b>Processor</b>	Quad Core
<b>Touchscreen</b>	4" IPS 800 x 480
<b>Camera</b>	Yes, 640 x 480
<b>Available materials</b>	Z-SEMIFLEX, Z-ULTRAT, Z-HIPS, Z-GLASS, Z-PETG, Z-ESD, Z-PCABS, Z-ABS, Z-ASA Pro, Z-PLA Pro
<b>External materials</b>	Applicable

Printing	
<b>Technology</b>	LPD (Layer Plastic Deposition) – depositing melted material layer by layer onto the build platform
<b>Layer resolution</b>	90-390 microns
<b>Minimal optimal wall thickness</b>	800 microns
<b>Minimal wall thickness</b>	400 microns
<b>Dimensional accuracy</b>	+/- 0.2%**
<b>Angle accuracy</b>	+/- 0.2%***
<b>X/Y positioning accuracy</b>	1.5 micron
<b>Z-axis single step</b>	1.25 micron
<b>Platform levelling</b>	Automatic measurement of platform points' height
<b>Maximum platform temperature</b>	105 °C (221 °F)
<b>Maximum printing temperature (extruder)</b>	290 °C (554 °F)
<b>Ambient operation temperature</b>	20 - 30 °C (68 °-86 °F)
<b>Storage temperature</b>	0° - 35° C (32°-95° F)
<b>AC input</b>	110 V ~ 5.9 A 50/60 Hz 240 V ~ 2.5A 50/60 Hz
<b>Power supply parameters</b>	24 V DC @ 14 A, 500 W
<b>Maximum power consumption</b>	320 W

## What's in the box

Zortrax M200 Plus 3D printer
Spool of Z-ULTRAT material
Build Platform
Side Covers
USB Memory Stick
Starter Kit (spatula, safety glasses, gloves, tweezers, pliers, cutting knife, and more)
Z-SUITE Software License
Material Guide
Spool Holder
Heatbed Cable
Power Cable

## Additional information

Each delivered printer may have worked up to 50 hours during the quality control test prints.

## Weight and physical dimensions

<b>3D printer (W x D x H)</b>	350 x 360 x 505 mm (13.8 x 14.2 x 19.9 in)
<b>With a spool</b>	350 x 430 x 505 mm (13.8 x 16.9 x 19.9 in)
<b>Shipping box</b>	470 x 480 x 570 mm (18.5 x 18.9 x 22.4 in)
<b>Shipping weight</b>	26 kg (57.3 lb)
<b>Printer weight*</b>	16 kg (32 lb)

## Software

<b>Software bundle</b>	Z-SUITE 2
<b>Supported file types</b>	.stl, .obj, .dxf, .3mf
<b>Supported operating systems</b>	Mac OS X / Windows 7 and newer versions

\* The weight includes: the device with the platform, power cable and spool holder installed. It does not include the material spool.

\*\* It should be noted that the model's dimensions strongly depend on the technical condition of the printer as well as the shape, form and size of a print, the material used and the printing process conditions. The Z-axis accuracy does not include a tolerance of +/- one layer. Bear in mind errors of measurement and measuring equipment.

\*\*\* measurements were taken with an angle of 90°.

## Contact your local Reseller

Find your local Reseller at [zortrax.com/resellers](https://zortrax.com/resellers).

Choose your country and you will get the list of resellers closest to your place of residence.

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