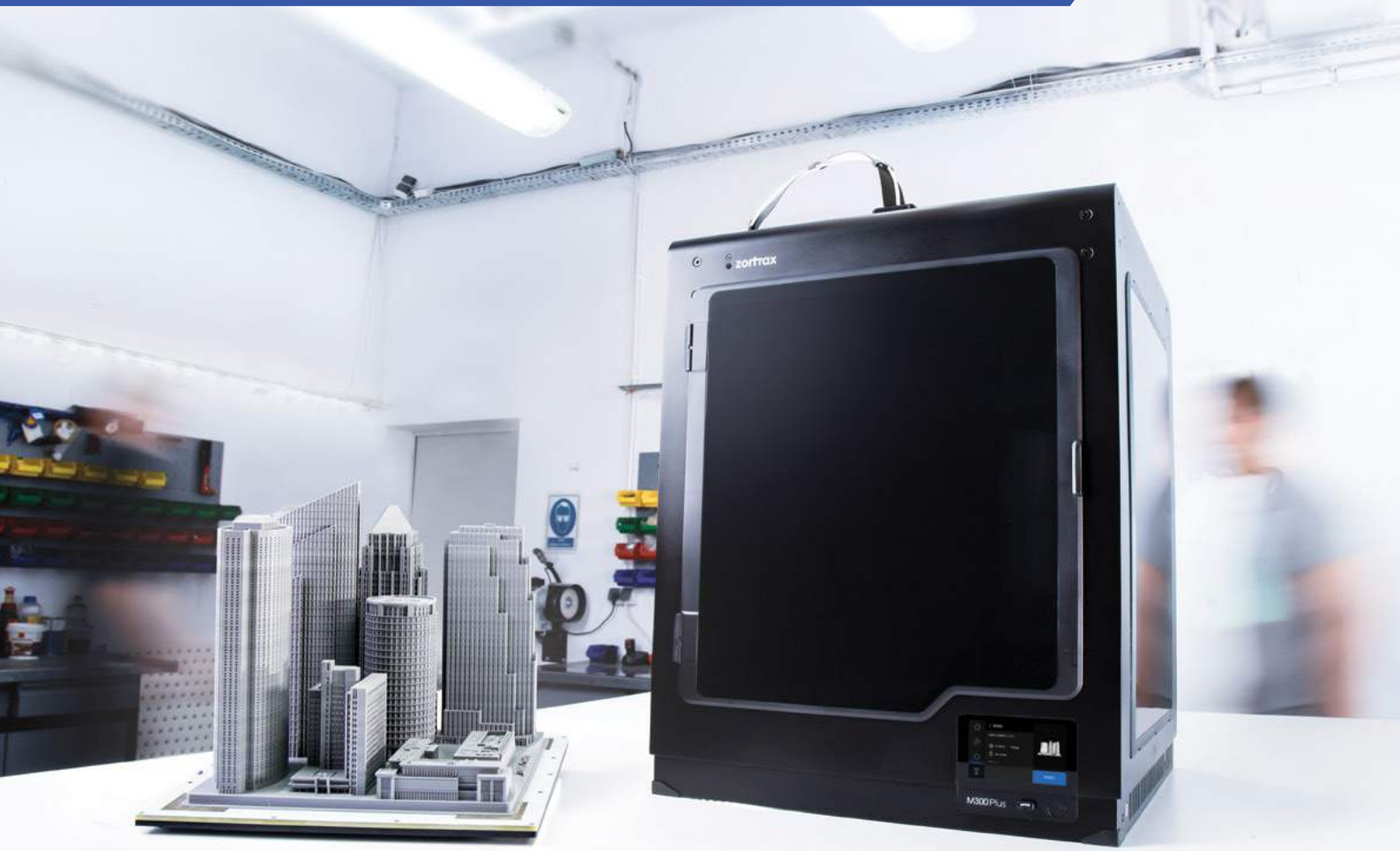
Zortrax M300 Plus

LARGE FDM WI-FI 3D PRINTER



Scale It Up

Zortrax M300 Plus is a high-performance Wi-Fi 3D printer with 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 works in 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.

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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. Multiple 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.

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. 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 for advanced users looking for less popular, more sophisticated applications.

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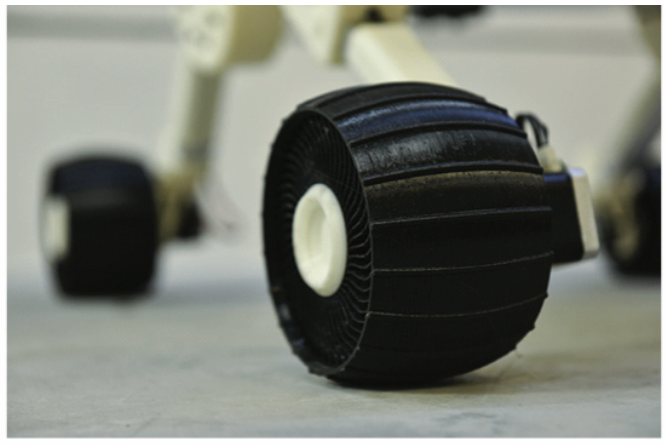
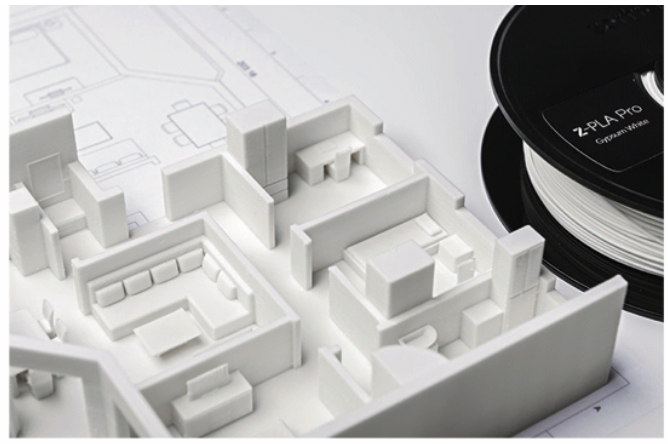
Wide range variety of materials

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

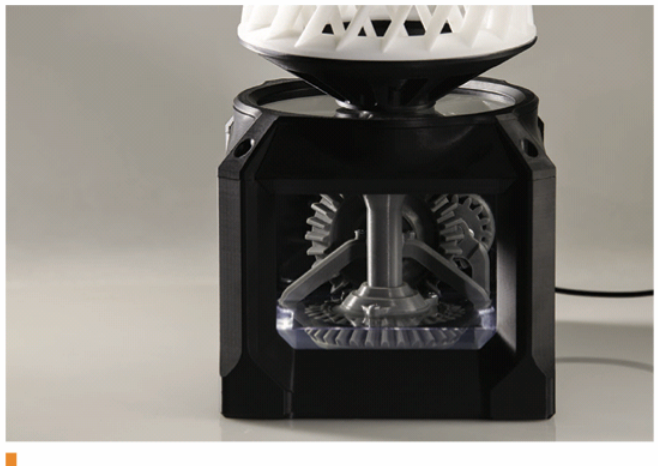
is an exceptionally durable and time-lasting blend of ABS designed to withstand impacts and high stress.

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.

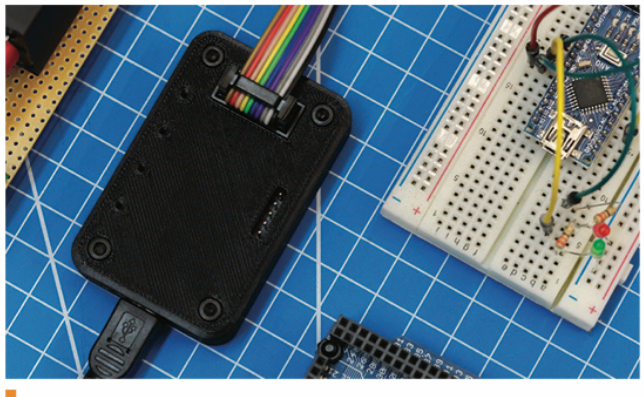
Z-HIPS

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

Z-GLASS

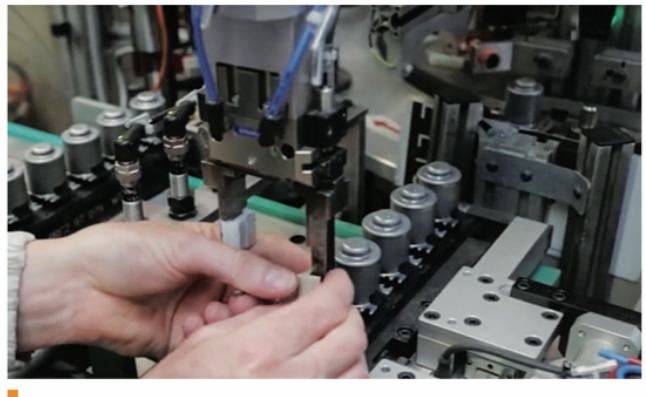
allows you to replace brittle glass elements with sturdier semi-transparent parts.

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

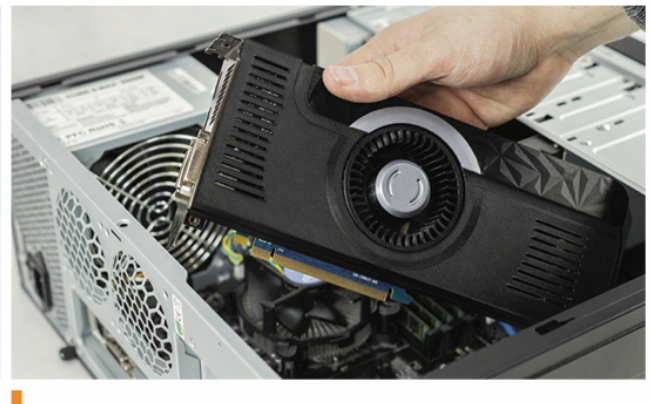
Rely on 3D printer-assisted manufacturing of interior and exterior parts for the automotive industry.

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.

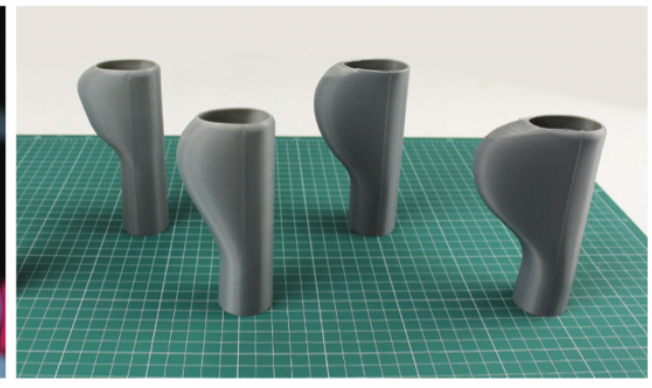
Applications in design

Prototyping

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

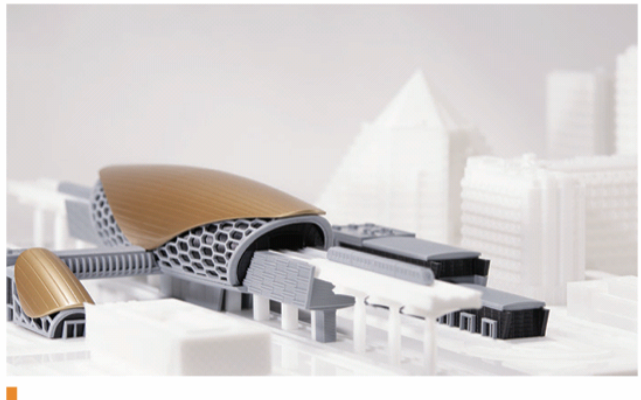
Consumer products

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.

Zortrax M300 Plus Main Features

- Workspace measures 300x300x300 mm
- Has 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
- Axes geometry has been improved
- 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
- Offers compatibility with Z-ULTRAT
- Works with wide range of dedicated filaments
- Supports third-party filaments

A full scale prototype of a motorbike fuel tank 3D printed on Zortrax M300 Plus with Z-HIPS.

Zortrax M300 Plus 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
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

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

Additional information

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

In the box

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

Contact Your Local Reseller

Find your local Reseller at zortrax.com/find-reseller.
Choose your country and you will get the list of resellers closest to your place of residence.

LOCAL RESELLER

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