

A GLOBAL PROVIDER OF  
COMPREHENSIVE 3D PRINTING  
SOLUTIONS



PRODUCT CATALOG

**zortrax** |  **EXXJET**

DESKTOP & INDUSTRIAL  
ADDITIVE  
MANUFACTURING



# End to end agile prototyping and manufacturing

## Next-gen technologies enhancing every stage of product development

Zortrax is a widely-acclaimed manufacturer of professional 3D printers, printing materials, software, and post-processing devices used by world-leading organizations like Bosch or NASA. The company has developed a portfolio of unique flexible manufacturing technologies to deliver the best value to its customers.

### LPD | Layer Plastic Deposition

The LPD is an additive manufacturing technology that builds physical models by depositing a fused polymer filament onto a build platform moving in a Z axis. The LPD technology is tightly integrated with its dedicated software and a wide range of filaments with various chemical and physical properties.

### UV LCD | Fast Resin 3D Printing

The image of the model's layer is displayed on a high-res LCD screen with a UV light source placed beneath it. Its main strength is very high precision as it is capable of printing extremely small objects barely visible to the naked human eye.

### LPD Plus | Layer Plastic Deposition Plus

The LPD Plus has the same working principle as the LPD but it supports simultaneous 3D printing with two filaments: one for the model, and one for the soluble support structures. This way there is no need for mechanical support removal.

### SVS | Smart Vapor Smoothing

The SVS is a unique technology developed by Zortrax to automate vapor-smoothing, one of the most popular techniques to remove visible layering from models 3D printed in the LPD, LPD Plus, FDM, FFF or similar technologies. Vapors of methyl ethyl ketone (MEK) or acetone react with models' surfaces to achieve glossy or matte finish, depending on the filament used.



Architecture modeling



Automotive parts



Aerospace prototyping



Medium-scale manufacturing



Production lines support



Prosthetics & orthotics

# zortrax

## M300 Plus

### Print big models in one go



Zortrax M300 Plus 3D printer

Extrusion



Single

Resolution

90-400 microns

Build volume

300 x 300 x 300 mm  
11.8 x 11.8 x 11.8 in



Made in EU



#### › Large workspace

The M300 Plus workspace is one of the largest among desktop class 3D printers. It allows printing big models in one go without breaking them down into separate parts that need to be assembled. That's particularly important when durability is of the essence as joints are usually the weakest spots in the structure.

#### › Remote management

Manufacturing output increases with the number of 3D printers working on the project and the M300 Plus is designed to work in 3D printing farms. Multiple machines can be controlled remotely from one workstation over Ethernet or Wi-Fi.

#### › Zortrax Speed mode

Zortrax Speed mode is a fully free feature for M Series Plus and M300 Dual 3D printers, which users can access from the printer menu. The feature lets you speed up your 3D printing project even up to 3 times.

#### › Rock-solid performance

Working cycles on large volume 3D printers tend to be longer than on smaller machines which makes reliability even more important. The M300 Plus is based on a proven M300 design capable of running for many hours without failure at world-leading organizations like NASA.

#### › Wide range of filaments

The M300 Plus works with all 1.75 mm filaments available on spools. It can print with challenging materials like flexible TPU or with highly durable nylon. Professional users are thus free to choose the right filament for their projects and rely on the 3D printer to handle it with no issues.







Functional lamp



Car grille prototype



Apartment cross-section model

## DEVICE

Build volume	300 x 300 x 300 mm (11.8 x 11.8 x 11.8 in)
Nozzle diameter	0.4 mm (0.016 in) – standard / 0.3 mm (0.012 in) / 0.6 mm (0.024 in)
Extruder	Single (compatible with demanding materials like TPU or nylon)
Extruder cooling system	Radial fan cooling the extruder block; two fans cooling the print
Hotend	Single, V3
Platform	Heated; perforated and glass plates are applicable
Material endstop	Mechanical
Connectivity	Wi-Fi, Ethernet, USB
Operating system	Android
Processor	Quad Core
Touchscreen	4" IPS 800 x 480
Camera	Yes

## FILAMENTS

Available Filaments	BASF Ultrafuse® ABS, Nanovia PC-ABS V0, Z-ABS, Z-ABS 2, Z-ASA Pro, Z-ESD, Z-FLEX, Z-GLASS, Z-HIPS, Z-NYLON, Z-PCABS, Z-PETG, Z-PLA, Z-PLA Pro, Z-ULTRAT
External materials	Applicable
Support	Mechanically removed – printed with the same material as the model
Filament container	Spool
Filament diameter	1.75 mm (0.069 in)

## IN THE BOX

3D Printer, Hotend V3, Side Covers, Z-SUITE, Starter Kit, 2x Material Spool, Spool Holder, USB Memory Stick

## PRINTING

Technology	LPD (Layer Plastic Deposition) – depositing melted material layer by layer onto the build platform
Layer resolution	90-400 microns
Minimal wall thickness	450 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

## SOFTWARE

Software bundle	Z-SUITE
Supported input file types	.stl, obj, .dxf, .3mf, .ply
Supported operating system	Mac OS Catalina and newer versions / Windows 10 and newer versions

## Get in touch

