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.

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.

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.

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.

Automotive & aerospace

Architecture

Medium-scale production

Geometrically complex models

Large mechanical models

Production lines support

zortrax

M300 Dual

Industrial-class 3D printing on your desk

Zortrax M300 Dual 3D printer

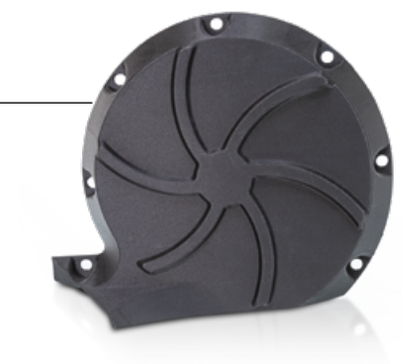
Extrusion

Dual

Single

Resolution

150-500 microns



Build volume

265 x 265 x 300 mm
10.4 x 10.4 x 11.8 in

EU

Made in EU

Large volume dual extrusion

The M300 Dual can simultaneously print with both model and water-soluble support filaments in a large build volume measuring 265 x 265 x 300 mm. This makes it capable of printing big models needed in industries like aerospace, automotive, or architecture.

Fail-safe 3D printing

To deal with power outages, the Blackout Response System stores enough energy to save the printing progress. Printing can be resumed from the same spot when the power is back on.

Advanced filament control

The printer can detect when the filament ran out or jammed. In both scenarios the print is paused and a notification is sent to the user. The work can be resumed from the same spot when the problem is solved.

Third-party filaments support

Professional users often need special-purpose filaments for their projects. That's why the M300 Dual can work with all third-party 1.75 mm filaments available on spools with no adverse effect on utility.

Various build-platforms

With a capacitive displacement sensor, the M300 Dual can automatically calibrate to work with glass, perforated, or other types of build platforms. This way it's possible to customize the printer for the project at hand.

Extensive connectivity

Multiple M300 Dual 3D printers can be connected via Wi-Fi or Ethernet network to work in large, remotely controlled clusters. Such 3D printing farms can be used for bridge manufacturing or small to medium scale production.

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.

ZORTRAX SPEED MODE
up to 3x FASTER

Model of gear mechanism before support material dissolution

Car gearbox

Part of a VR headset

LPD Plus

DEVICE

Build volume	265 x 265 x 300 mm (10.4 x 10.4 x 11.8 in)
Nozzle diameter	0.4 mm (0.016 in) - standard, 0.6 mm (0.024 in)
Extruder	Dual, printing with model and support material
Extruder cooling system	Two fans cooling the extruder; radial fan cooling the print
Hotend	Dual
Platform	Heated; perforated and glass plates are applicable
Material Endstop	2 x mechanical
Connectivity	Wi-Fi, Ethernet, USB
Operating system	Android
Processor	Quad Core
Touchscreen	4" IPS 800 x 480
Camera	Yes

FILAMENTS

Dedicated for single extrusion	Z-ABS, Z-ASA Pro, Z-ESD, Z-FLEX, Z-GLASS, Z-HIPS, Z-NYLON, Z-PETG, Z-PLA, Z-PLA Pro, Z-ULTRAT, BASF Ultrafuse® PAHT CF15, BASF Ultrafuse® PP GF30, BASF Ultrafuse PET CF15, 3DXTECH CarbonX PETG+CF, Kimya PETG Carbon, Kimya ABS-ESD, Nanovia PC-ABS V0, Nanovia PETG CF
Dedicated for dual extrusion	Z-ABS, Z-ASA Pro, Z-ESD, Z-FLEX, Z-NYLON, Z-GLASS, Z-PETG, Z-PLA, Z-PLA Pro, Z-SUPPORT ATP, Z-SUPPORT Premium, Z-ULTRAT, BASF Ultrafuse 17-4 PH, BASF Ultrafuse 316L, BASF Ultrafuse ABS, BASF Ultrafuse BVOH, BASF Ultrafuse PAHT CF15, BASF Ultrafuse Support Layer, Nanovia PC-ABS V0
External materials	Applicable
Support	Mechanically removed – printed with the same material as the model Soluble – printed with a different material than the model
Filament container	Spool
Filament diameter	1.75 mm (0.069 in)

PRINTING

Technology	LPD Plus (Layer Plastic Deposition Plus) – advanced technology depositing melted thermoplastics with dissolvable support structures
Layer resolution	150-500 microns
Minimal wall thickness	450 microns
Platform levelling	Automatic measurement of platform points' height / manual measurement of platform points' height

TEMPERATURE

Maximum printing temperature (extruder)	310 °C (590 °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	400 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

IN THE BOX

3D Printer, Side Covers, Z-SUITE, Starter Kit, Spool of Model Material, Spool of Support Material, 1x Perforated Plate, 1x Glass Plate, 2x Spool Holders, Material Box, USB Memory Stick

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