

# Description

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## **Large-volume dual-extrusion**

Zortrax M300 Dual relies on the dual-extrusion LPD Plus technology to simultaneously print with base and water-soluble support filaments in a large build volume measuring 265x265x300 mm.

## **Fail-safe 3D printing**

The M300 Dual can detect a power outage, jammed filament, and material running out. In each case it pauses the print and saves the exact position of the printing head. This way your work can be resumed from the same spot when the problem has been dealt with.

## **Interchangeable 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.

## **Worldwide warranty**

Thanks to the global warranty and a network of Zortrax partners running service centers around the world, all users are provided with extensive technical support and assistance for each Zortrax device.

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# Specification

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## 3D PRINTER

### DEVICE

	<b>Build volume</b>
265 x 265 x 300 mm (10.4 x 10.4 x 11.8 in)	
	<b>Nozzle diameter</b>
0.4 mm (0.016 in) - standard 0.6 mm (0.024 in)	
	<b>Extruder</b>
Dual, printing with model and support material	
	<b>Extruder cooling system</b>
Two fans cooling the extruder	
	<b>Hotend</b>
Dual	
	<b>Platform</b>
Heated	
	<b>Material Endstop</b>
2 x mechanical	
	<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	

### PRINTING

	<b>Technology</b>
LPD Plus (Layer Plastic Deposition Plus) – advanced technology depositing melted thermoplastics with dissolvable support structures	
	<b>Layer resolution</b>
150-300 microns (for 0.4 mm / 0.016 in nozzle) 300-500 microns (for 0.6 mm / 0.024 in nozzle)	
	<b>Minimal wall thickness</b>
450 microns (for 0.4 mm / 0.016 in nozzle)	
	<b>Platform levelling</b>
Automatic or manual measurement of platform points' height	

### FILAMENTS

	<b>Dedicated for single extrusion</b>
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 PP GF30	
	<b>Dedicated for dual extrusion</b>
Z-ABS, Z-ASA Pro, Z-ESD, Z-FLEX, Z-GLASS, Z-NYLON, Z-PETG, Z-PLA, Z-PLA Pro, Z-SUPPORT ATP, Z-SUPPORT Premium, Z-ULTRAT, BASF Ultrafuse PAHT CF15	

	<b>External materials</b>
Applicable	
	<b>Support</b>
Mechanically removed – printed with the same material as the model	
Soluble – printed with a different material than the model	
	<b>Filament container</b>
Spool	
	<b>Filament diameter</b>

1.75 mm (0.069 in)

## TEMPERATURE

	<b>Maximum printing temperature (extruder)</b>
310 °C (590 °F)	
	<b>Maximum platform temperature</b>
105 °C (221 °F)	
	<b>Ambient operation temperature</b>
20-30 °C (68-86 °F)	
	<b>Storage temperature</b>
0-35 °C (32-95 °F)	

## ELECTRICAL

	<b>AC Input</b>
110V ~ 5.9 A 50/60 Hz	
240V ~ 2.5 A 50/60 Hz	
	<b>Maximum power consumption</b>
400 W	

## SOFTWARE

	<b>Software bundle</b>
Z-SUITE	
	<b>Supported input file types</b>
.stl, obj, .dxf, .3mf, .ply	
	<b>Supported operating system</b>
Mac OS Catalina and newer versions	
Windows 7 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

## ADDITIONAL INFORMATION

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

# HEPA COVER

## FILTRATION

	<b>Odor reduction filter</b>
Carbon	
	<b>Particle reduction filter</b>
HEPA	
	<b>Filtration efficiency</b>
99.5%	

## ELECTRICAL

	<b>AC input</b>
100 - 240 V ~ 0.7 A 50/60 Hz	
	<b>Power supply parameters</b>
12 V DC, 0.5 A (min)	
	<b>Maximum power consumption</b>
6 W	

## WEIGHT AND PHYSICAL DIMENSIONS

	<b>Without filtering module (W x D x H)</b>
496 x 483 x 280 mm (19.5 x 19.1 x 11 in)	
	<b>With filtering module (W x D x H)</b>
545 x 483 x 280 mm (21.5 x 19.1 x 11 in)	
	<b>Box dimensions</b>
565 x 550 x 335 mm (22.2 x 21.7 x 13.2 in)	
	<b>Device weight</b>
2.55 kg (5.6 lb)	
	<b>Total weight of the box</b>
4,8 kg (10.6 lbs)	

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Device, Po