Description

Zortrax M300 Plus with Zortrax HEPA Cover

Zortrax HEPA Cover is a filtering device compatible with Zortrax M300 Plus large volume wireless 3D printer. Zortrax M300 Plus has one of the biggest build volumes among Plug & Play devices and can 3D print large models in one go. Equipped with Wi-Fi and Ethernet connectivity it can be used to create a network of reliable 3D printers. With Zortrax HEPA Cover attached, it's possible to maintain higher temperatures inside the M300 Plus' printing chamber which significantly reduces shrinkage of ABS-based materials. HEPA filters catch over 99% of 3D printing emissions, including ultra fine particles, while carbon filters work to reduce unpleasant smells to ensure safe and smooth operation of a 3D printing farm.

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.

Specification

3D Printer

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
Hotend
Single, V3
Platform
Heated
Material endstop
Mechanical
Connectivity
Wi-Fi USB Ethernet
Operating system
Android

Processor

Quad Core

Touchscreen

4” IPS 800 x 480

Camera

Yes

PRINTING

Technology

LPD (Layer Plastic Deposition) – depositing melted material layer by layer onto the build platform

Layer resolution

90-140 microns (for 0.3 mm / 0.012 in nozzle)
90-390 microns (for 0.4 mm / 0.016 in nozzle)
300-400 microns (for 0.6 mm / 0.024 in nozzle)

Minimal wall thickness

450 microns (for 0.4 mm / 0.016 in nozzle)

Platform levelling

Automatic or manual measurement of platform points’ height

FILAMENTS

Available Filaments

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)

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

110V ~ 5.9 A 50/60 Hz
240V ~ 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 Mojave and newer versions
Windows 7 and newer versions

IN THE BOX

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

Odor reduction filter	
Carbon	
Particle reduction filter	
HEPA	
Filtration efficiency	
99.5%	

ELECTRICAL

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

WEIGHT AND PHYSICAL DIMENSIONS

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

IN THE BOX

Device, Power Supply Unit, Filtering Module with HEPA and Carbon Filters
3D Printer, Hotend V3, Side Covers, Z-SUITE, Starter Kit, 2x Material Spool, Spool Holder, USB Memory Stick

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