GRUPO solitium

zortrax

Automotive & aerospace

Architecture

Medium-scale production

Geometrically complex models

Large mechanical models

Production lines support

M300 Dual

Industrial-class 3D printing on your desk

Zortrax M300 Dual 3D printer

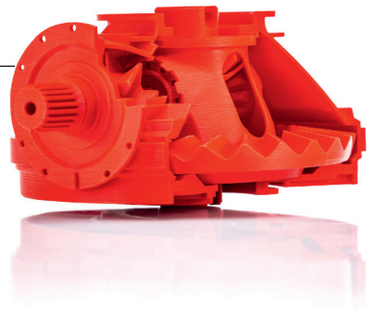
Extrusion

Dual

Single

Resolution

150-500 microns



Build volume

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

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.

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.

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.

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.

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.

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.

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, Z-ULTRAT Plus
Dedicated for dual extrusion	Z-ABS, Z-ASA Pro, Z-ESD, Z-GLASS, Z-NYLON, Z-PETG, Z-PLA, Z-PLA Pro, Z-SUPPORT ATP, Z-SUPPORT Premium, Z-ULTRAT, Z-ULTRAT Plus
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)

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

PRINTING

Technology	LPD Plus (Layer Plastic Deposition Plus) – advanced technology depositing melted thermoplastics with dissolvable support structures
Layer resolution	150-300 microns (for 0.4 mm / 0.016 in nozzle) 300-500 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 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 Mojave and newer versions / Windows 7 and newer versions