Small-scale production

Cost-efficient prototyping

Prosthetics & orthotics

Pre-surgical planning models

Educational aids

zortrax

M200 Plus

Basically reliable 3D printer

Zortrax M200 Plus 3D printer

Extrusion

Single

Resolution

90-400 microns

Build volume

200 x 200 x 180 mm

7.9 x 7.9 x 7.1 in

Designed for hard work

The M200 Plus LPD 3D printer has been made with high-quality components to offer class-leading reliability and low maintenance costs. This machine is a versatile, affordable 3D printing solution that can work for many hours without a single failure.

Made for 3D printing farms

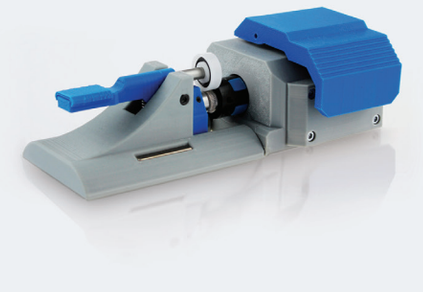
Large clusters of remotely controlled 3D printers can offer significant prototyping and small to medium scale production capabilities. The M200 Plus has Wi-Fi and Ethernet connectivity which make it great as a basic manufacturing unit in a 3D printing farm.

Fail-safe design

The industrial-grade extruder in the M200 Plus is compatible with a wide range of filaments. Functionalities like efficient cooling system or a heated build-platform guarantee dimensional accuracy while the filament endstop mechanism pauses the print and notifies the user when the filament runs out.

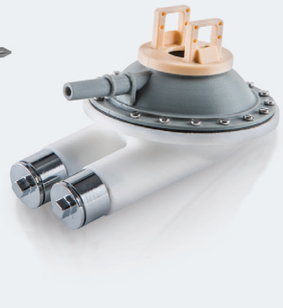
Easy to control

The M200 Plus can be operated remotely or through an intuitive touch screen fitted in the front panel. The printing process can be monitored at all times with a camera installed in the printing chamber. The machine can be set up and operated with no prior 3D printing experience.



Medical winch for fiber laser closing of varicose veins

End-use drill-driver casing



Artificial human heart model

Functional headphones prototype

DEVICE

Build volume	200 x 200 x 180 mm (7.9 x 7.9 x 7.1 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	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, 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	90-140 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 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	320 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