

OMNI500 LITE



BUILD VOLUME 460 x 460 x 600 mm

You can print big elements or a few smaller ones at the same time.

2 EXTRUDERS WITH FILAMENT PRESENCE SENSOR

The machine is equipped with dual heads which make it possible to print on both sides of a fabric during one printout, the main build and the support material.

PRINTER MANAGEMENT BY WEBSITE

The printer can be managed through a dedicated website, so you can easily start printing and control the process remotely.

PRINTER FARM MANAGEMENT

The possibility of remotely building and managing a printer set.

AUTOMATIC PLATFORM CALIBRATION

Those are only selected functions which will optimize your work and allow you to make 3D printouts fast and effectively.

TECHNICAL SPECIFICATION

Print technology	FFF (fused filament fabrication)
Build volume XYZ	460 x 460 x 600 mm
Chamber	enclosed and isolated
Min. layer height	50 µm
Build platform	heated, glass surface
Number of printing heads	2
Drive type	screw drives in all axes
Nozzle diameter	0,4 mm (optionally 0,6 / 0,8 mm)
Filament diameter	1,75 mm
Max. printing speed	86 cm ³ /h
Dimensional accuracy	+/- 0,2% *
Automatic platform calibration	yes
Air filtration	CARBON + HEPA (optional)
Max. head temperature	360 °C (optionally 500 °C)

Max. platform temperature	170 °C
Max. chamber temperature	50°C
Communication	SD card, Ethernet, WiFi
User interface	7" LCD touch screen, website + camera
Software	Simplify3D
Predefined print settings	Yes, for filaments from Omni3D and for selected filaments from external producers
Compatible files	.stl, .obj, .3mf, .gcode, .factory
Power Supply	230 V / 50 Hz (optional 110 V / 60 Hz)
Max. power consumption	2,0 kW
Printer dimensions	118 x 105 x 76 cm
Printer weight	150 kg
Safety certification	CE
Warranty	12 months (optionally extendable)

* Dimensional accuracy depends on whether the model has been appropriately scaled before printing it out - so as to compensate material shrinkage, model geometry, and layer height.