

OMNILITE



COMPATIBLE FILAMENTS:

ABS-42	PLA-BAMBUS
ABS V0	PLA-KOREK
ABS FC	PLA-PAPIER
ASA-39	TPU-93A
PET-G-32	PVA-20
PETG CARBON	ODS-20
CF PA-12	ABS FUSION+
PLA	

TECHNICAL SPECIFICATION

Print technology	FFF (fused filament fabrication)	Max. platform temperature	130 °C
Build volume XYZ	460 x 460 x 600 mm	Max. chamber temperature	50 °C (statically heated)
Chamber	Enclosed and isolated	Communication	SD card, Ethernet, WiFi
Min. layer height	50 µm	User interface	7" LCD touch screen, website, camera
Build Platform	heated, glass-ceramics surface	Software	Simplify3D
Number of printing heads	two electronic lifting system	Predefined print settings	Yes, for filaments from Omni3D and for selected filaments from external producers
Drive Type	screw drives in all axes	Capatible files	.stl, .obj, .3mf, .gcode, .factory
Nozzle diameter	0,2 / 0,4 / 0,6 / 0,8 / 1,0 mm	Power supply	230 V / 50 Hz (optional 110 V / 60 Hz)
Filament diameter	1,75 mm	Max. power consumption	2,2 kW
Max. printing speed	86 cm ³ /h	Printer dimensions	118 x 105 x 76 cm
Dimensional accuracy	+/- 0,12% (not less than +/- 0,12mm)	Printer weight	250 kg
Automatic platform calibration	Yes	Safety certification	CE
Air filtration	CARBON + HEPA (optional)	Warranty	12 months (with the option of prolonging)
Max. head temperature	360°C (optionally 420°C)		

OMNI LITE UNIQUE POINTS



Omni3D Web Control™

Remote preview of 3D printout through the camera, as well as the ability to perform other procedures without approaching the printer.



Omni3D Head Leveling Control™

Automatic extruder height control system, which consists in direct measurement of the distance in the Z axis between the right and left extruder.



Omni3D Platform Autoleveling System™

Automatic table leveling system, i.e. striving for the state in which the printer nozzle will be at the same distance in the Z axis from the build plate, regardless of the position of the print head in the X and Y axes.

NEW VERSION RELEASED IN 2023



Table

The machine has been equipped with new glass with increased thickness. This minimizes the risk of material shrinkage while also improving adhesion. The overall design ensures that large parts can be printed across the table without losing their geometry.



Omni3D Air Circulation™

Our own air circulation system has been implemented. The consistent temperature throughout the entire volume of the working build chamber allows for a higher quality of printed parts. By equalizing the ambient temperature to the optimal value for the printing material, the unfavorable changes in geometry can be significantly reduced or completely eliminated.

COOPERATION WITH OMNI3D

1



PRE-IMPLEMENTATION

Cost-benefit analysis - these are just some of the elements of the audit prepared by 3D printing professionals.

2



SAMPLE

Check the print quality.
Make a sample print of your model.

3



RANGE OF POSSIBILITIES

Equipment purchase, 3D printing on demand or printer rental. Choose the best option for your business.

4



TRAINING & SUPPORT

Client installation, employee training, technology support and service.

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