

RECOMMENDED FILAMENTS:

ABS-42	CF PA-12
ABS V0	GF30-PA6
ABS FC	HIPS-20
ABS CARBON	PA-12
ABS ESD	PA 6/66 HD
ABS FUSION+	PC-ABS-37
ABS GF	PLA
ABS KEVLAR	PET-G-32
ALFATEICO	PETG CARBON
ASA-39	PVA-20
ASA-CF	TPU-85A
ASA KEVLAR	TPU-93A

TECHNICAL SPECIFICATION

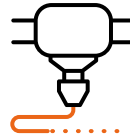
Print technology	FFF (fused filament fabrication)	Air filtration	CARBON + HEPA (optional)
Build volume XYZ	510 x 500 x 570 mm	Max. head temperature	420°C
Chamber	Enclosed, isolated and actively heated	Max. platform temperature	170°C
Min. layer height	50 µm	Max. chamber temperature	75°C (actively heated)
Build Platform	Heated, glass-ceramics surface	Communication	SD card, Ethernet, WiFi, USB
Number of printing heads	Two electronic lifting system	User interface	9" LCD touch screen, website, camera
Drive Type	Screw drives in all axes	Software	Simplify3D
Nozzle diameter	0,2 / 0,4 / 0,6 / 0,8 / 1,0 mm	Predefined print settings	Yes, for Omni3D filaments and for selected filaments from external producers
Filament diameter	1,75 mm	Capatible files	.stl, .obj, .3mf, .gcode, .factory
Max. printing speed	43 cm ³ /h	Power supply	230 V / 50 Hz (optional 110 V / 60 Hz)
Dimensional accuracy	+/- 0,12% (not less than +/- 0,12mm)	Max. power consumption	2,2 kW
Automatic platform calibration	Yes	Printer dimensions	120 x 107 x 77 cm
		Printer weight	196 kg

OMNI³TECH 2026



New LCD panel

The display is mounted outside the housing on an adjustable arm, paired with a revamped, intuitive user interface (UI) to **offer maximum control and comfort for industrial operators.**



Omni3D Head Leveling Control™

Automatically adjusts extruder height for optimal performance, delivering consistent layer adhesion and dimensional accuracy.



Omni3D Cooling System™

A direct extruder cooling system that enables the use of the extruder inside a heated chamber and provides better control over dimensional accuracy of the print.



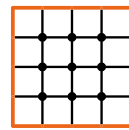
Omni3D Filament Flow Control™

Precisely controls filament flow, ensuring consistent extrusion and superior print quality.



Omni3D Air Circulation™

Ensures precise temperature control throughout the build chamber, leading to improved print quality and part consistency.



Omni3D Platform Autoleveling System™

Automatically levels the print bed, guaranteeing accurate and repeatable results, regardless of print head position.

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.