

OMNI PRO HT

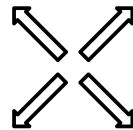


TECHNICAL SPECIFICATION

Print technology	FFF (fused filament fabrication)	Max. chamber temperature	220°C
Build volume XYZ	500 x 500 x 500 mm	Built-in filament dryer for 4 spools	Yes (max. 4 x 3 kg), up to 120°C
Chamber	Enclosed, isolated and actively heated	Automatic change of filaments	Yes
Min. layer height	50 µm	Built-in accessory drawer	Yes
Build Platform	Vacuum	Communication	SD Card, Ethernet, WiFi, USB
Number of printing heads	2 - electronic lifting system	Control	10.1" LCD, website, camera
Drive type	X, Y, Z axes - ball screw drives; all drives with encoders	Software	Simplify3D
Nozzle diameter [mm]	0,2 / 0,4 / 0,6 / 0,8 / 1,0 mm	Predefined print settings	Yes, for Omni3D filaments and for selected filaments external manufacturers
Filament diameter	1,75 mm	Supported files	.stl, .obj, .3mf, .gcode, .factory
Max. printing speed	120 cm³/h	Power	230V/50Hz (3-phase)
Dimensional accuracy	+/- 0,12% (not less than +/- 0,12mm)	Max. power consumption	10 kW
Automatic platform calibration	Yes	Printer dimensions	160 x 110 x 150 cm
Air filtration	CARBON + HEPA	Printer weight	600 kg
Max. head temperature	500 °C	Safety certification	CE
Max. platform temperature	220 °C	Warranty	12 months (with the option of prolonging)



MAIN FEATURES



Large working space

With a generous 500 x 500 x 500 mm build volume, the OmniPRO HT 6 can handle large-format prints and multiple smaller parts simultaneously.



Exclusive Patented Omni3D Cooling System™

Enables direct extruder cooling within a heated chamber, optimizing thermal management and enhancing dimensional precision.



Omni3D Air Circulation™

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



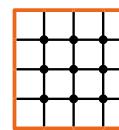
Omni3D Filament Flow Control™

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



Omni3D Head Leveling Control™

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



Omni3D Platform Autoleveling System™

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

1



PRE-SALE ASSESSMENT

Cost-benefit analysis prepared by Omni3D 3D sale & technical teams.

2



BENCHMARKS

Check your model print quality with real 3D printed samples.

3



TAILORED SOLUTION

3D printers, materials, accessories, engineering and printing services.

4



TRAINING & SUPPORT

ROI Assessment, installation, training, technical support and after-sale service.

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