FUNMAT PRO 310 NEO

Industrial High-Speed 3D Printer

100°C

Industrial Performance

100 °C thermostatic chamber design, full-size printing capacity of engineering plastics.

High-Speed Printing

With 8 types of material process packages for high-speed printing, the production capacity reaches 500g to 1000g per day.

High Versatility

Print a wide range of materials such as engineering materials, flexible materials and high performance materials such as PPS.

Intelligent Auto-Leveling

Enjoy effortless setup and printing with auto mesh leveling and Z-axis calibration. Precise and efficient.

The FUNMAT PRO 310 NEO empowers engineers and designers with industrial-grade performance and reliability, taking user experience to the next level. Its 100°C heated chamber, combined with a spacious 305 x 260 x 260 mm build volume, enables the full-size printing of larger models with no compromise.

New self-developed high-speed architecture ensures the superior surface finish and high dimensional precision, significantly enhances production efficiency.

Technical Parameters

Printing

Technology	FFF (Fused Filament Fabrication)	Leveling	Mesh Leveling（Max.100 Points）
Build Volume	Single nozzle: 305 x 260 x 260 mm; Dual nozzle: 260 x 260 x 260 mm	Filament Diameter	1.75 mm
		Materials*	PC, ABS-HS, PPA-CF/GF, PA, PPS and various fiber materials, support materials
Layer Thickness	0.1 - 0.3 mm		
Number of nozzles	2 (IDEX)		
Nozzle Temperature	Max. 350 °C	Functions	Filament Runout Warning, Remote Control, Remote Printing, Online Update
Printing Speed	Max. 500 mm/s		
Printing Acceleration	Max. 10000 mm/s^2		
Chamber Temperature	Max. 100 °C		
Platform Temperature	Max. 160 °C		

Machine

Voltage	200 – 240 V/7 A. 50/60 Hz	Filament Box	Overall sealed box, Built-in Reusable Molecular Sieve To Keep Dry, Temp. and Humidity Real-time Monitoring,Standalone
Max. Power	1500 W		
Connectivity	WiFi, Ethernet, USB		
Screen	7-inch Touch Screen		
Build Plate	Magnetic Flexible Buildplate	Number of Spools	2（Max. 1 Kg/pcs）
Build Chamber	Fully Enclosed Printing Chamber	Resolution	XY：16 μm；Z：1.25 μm
Cooling	Fan	Filtering System	HEPA +Activated Carbon, Replaceable
Nozzle Maintenance	Quick Release Design, Easy Installation And Disassembly	Overall Dimensions	700 x 655 x 700 mm

Safety

Safety Design Safety Door Lock, Over Temperature Protection, Overload Protection, Warning Labels

Slicing

Slicing Software INTAMSUITE NEO
Supported File Types .stl/.obj/.x3d/.3mf/.stp/.iges
Operating System Windows

Operating Environment

Working Temperature 0°C ～ 30°C（32°F ～ 86°F）
Working Humidity 20 % ～ 70 %
Storage Temperature -20°C ～ 55°C（-4°F ～ 131°F）
Storage Humidity 10 % ～ 90 %

*Printing materials are not limited to this table, recommended printing materials are fully validated on the printer.