FUNMAT PRO 310 NEO

Industrial High-Speed 3D Printer





Industrial Performance

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



High Versatility

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



High-Speed Printing

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



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.



Printing

Technology Build Volume	FFF (Fused Filament Fabrication) Single nozzle: 305 x 260 x 260 mm; Dual nozzle: 260 x 260 x 260 mm	Leveling Filament Diameter Materials*	Mesh Leveling(Max.100 Points) 1.75 mm PC, ABS-HS, PPA-CF/GF, PA, PPS
Layer Thickness	0.1 - 0.3 mm		and various fiber materials,
Number of nozzles	2 (IDEX)		support materials
Nozzle Temperature	Max. 350 °C	Functions	Filament Runout Warning,
Printing Speed	Max. 500 mm/s		Remote Control, Remote Printing,
Printing Acceleration	Max. 10000 mm/s ²		Online Update
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
Max. Power	1500 W		Reusable Molecular Sieve To
Connectivity	WiFi, Ethernet, USB		Keep Dry, Temp. and Humidity
Screen	7-inch Touch Screen		Real-time Monitoring,Standalone
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,
Nozzle Maintenance	Quick Release Design, Easy		Replaceable

Safety

Safety Design

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

Slicing

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

INTAMSUITE NEO Windows

Installation And Disassembly

Operating Environment

Overall Dimensions

Working Temperature Working Humidity Storage Temperature Storage Humidity

 $0^{\circ}\mathrm{C}\sim 30^{\circ}\mathrm{C}$ ($32^{\circ}\mathrm{F}\sim 86^{\circ}\mathrm{F}$) 20% \sim 70\% -20°C \sim 55°C (-4°F \sim 131°F) $10\% \sim 90\%$

700 x 655 x 700 mm

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

