

# FUNMAT PRO 310 NEO

Industrial High-Speed 3D Printer



## 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;	Filament Diameter	1.75 mm
	Dual nozzle: 260 x 260 x 260 mm	Materials*	PC, ABS-HS, PPA-CF/GF, PA, PPS and various fiber materials, support materials
Layer Thickness	0.1 - 0.3 mm	Functions	Filament Runout Warning, Remote Control, Remote Printing, Online Update
Number of nozzles	2 (IDEX)		
Nozzle Temperature	Max. 350 °C		
Printing Speed	Max. 500 mm/s		
Printing Acceleration	Max. 10000 mm/s <sup>2</sup>		
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	Number of Spools	2 (Max. 1 Kg/pcs)
Connectivity	WiFi, Ethernet, USB		Resolution
Screen	7-inch Touch Screen	Filtering System	HEPA +Activated Carbon, Replaceable
Build Plate	Magnetic Flexible Buildplate	Overall Dimensions	700 x 655 x 700 mm
Build Chamber	Fully Enclosed Printing Chamber		
Cooling	Fan		
Nozzle Maintenance	Quick Release Design, Easy Installation And Disassembly		

### 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.