

# FUNMAT PRO 310

Bringing High Performance Material Printing Capabilities To Professional Engineers



Thermostatic chamber and full-size printing capability



IDEX, more possibilities with multi material printing and twice as fast with sync and mirror mode



Independent filament box is able to keep the filament continuously dry which ensures high-quality printing



Intelligent design and whole-process control  
Brings an unparalleled customer experience



The FUNMAT PRO 310 responds to the growing demands of professional engineers. It is featured with its thermostatic chamber and its full-size printing capability. The thermostatic chamber can reach up to 100 °C, to realize engineering plastics in large-scale printing (305 x 260 x 260mm). Plug & play and easy-to-remove modular IDEX design can realize multiple printing modes.

The FUNMAT PRO 310 also offers solutions for various engineering materials, such as ASA/ABS/PC/PC-ABS/PA/PA-CF.

Print with our user-friendly 3D model-slicing software to experience industrial-grade high-quality printing projects.

## Technical Parameters

Technology	FFF	Print Speed	Max.120mm/s
Build Volume	Single Nozzle: 305 x 260 x 260 mm; (12 x 10.2 x 10.2in)	Nozzle Diameter	0.4mm (Optional:0.25/0.6mm)
	Dual Nozzle: 260 x 260 x 260mm (10.2 x 10.2 x 10.2in)	Chamber Temperature	Max. 100°C (212°F)
Printer Size	700 x 655 x 700mm	Build Plate Temperature	Max. 160°C (320°F)
	27.6 x 25.8 x 27.6in	Leveling	Mesh leveling(Max. 100 points)
Layer Thickness	0.1- 0.3mm	Filament Diameter	1.75mm
Number of Nozzles	2 (IDEX)	Travel Speed	Max.XY 500mm/s
Nozzle Temperature	Max.300°C (572°F)	Resolution	XY: 16µm Z: 1.25µm
		Functions	Filament Absence Warning, Remote Monitor, Remote Control, Remote Print
Voltage	100–132V/15A or 200–240V/7A, 50/60 Hz	Nozzle maintenance	Quick release design, easy installation and disassembly
Max. Power	1600W	Filament Box	Standalone, overall sealed, built-in reusable molecular sieve to ensure low humidity, real-time monitoring of TEMP and HUM.
Connectivity	WiFi, Ethernet, USB		Number of Filament Trays
Screen	7" Touch Screen	Materials*	PA6/66, PA6-CF, PA12-CF, PC, PC-ABS, ABS, ASA, PLA, HIPS, PVA
Build Plate	Sprint Steel Magnetic Build Plate with Polyimide Heating Film		Certification
Cooling	FAN	Slicing Software	INTAMSUITE
Filtering system	HEPA+Activated Carbon	Supported File Types	.stl/.obj/.x3d/.3mf/.stp/.iges
Safety Design	Safety door lock, over temperature protection, overload protection, warning labels	Operating System	Windows
		Safety Standards	EN60204
Environment Temperature	15~30°C(59~86°F)	Storage Temperature	0~35°C(32~95°F)
Environment Humidity	30~70%	Storage Humidity	20~90%

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