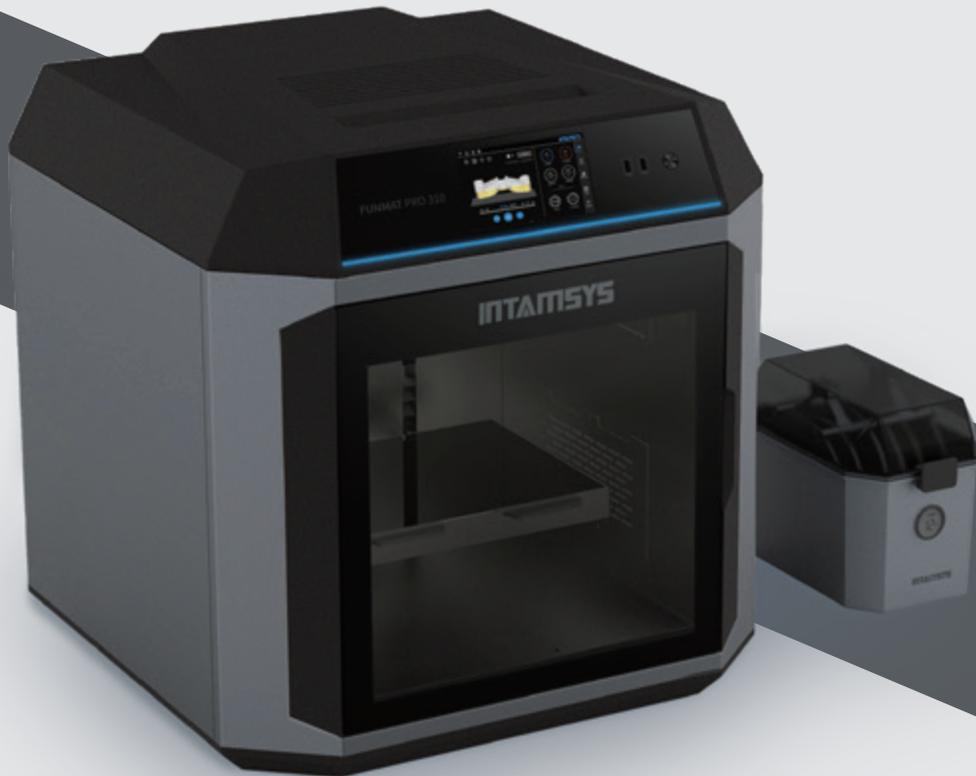# FUNMAT PRO 310

Bringing High Performance Material Printing Capabilities To Professional Engineers

100°C

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 continously 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) Dual Nozzle: 260 x 260 x 260mm (10.2 x 10.2 x 10.2in)	Nozzle Diameter	0.4mm（Optional：0.25/0.6mm)
		Chamber Temperature	Max. 100°C (212°F)
		Build Plate Temperature	Max. 160°C (320°F)
		Leveling	Mesh leveling(Max. 100 points)
Printer Size	700 x 655 x 700mm 27.6 x 25.8 x 27.6in	Filament Diameter	1.75mm
		Travel Speed	Max.XY 500mm/s
Layer Thickness	0.1- 0.3mm	Resolution	XY: 16µm Z: 1.25µm
Number of Nozzles	2 (IDEX)	Functions	Filament Absence Warning, Remote Monitor, Remote Control, Remote Print
Nozzle Temperature	Max.300°C (572°F)		

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		
Screen	7" Touch Screen		
Build Plate	Sprint Steel Magnetic Build Plate with Polyimide Heating Film		
		Number of Filament Trays	2（Max 1Kg/pcs)
Cooling	FAN	Materials*	PA6/66, PA6-CF, PA12-CF, PC, PC-ABS, ABS, ASA, PLA, HIPS, PVA
Filtering system	HEPA+Activated Carbon		

Safety Design	Safety door lock, over temperature protection, overload protection, warning labels	Certification	CE, FCC, SGS
		Slicing Software	INTAMSUITE
		Supported File Types	.stl/ .obj/.x3d/.3mf/.stp/.iges
Safety Standards	EN60204	Operating System	Windows

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.