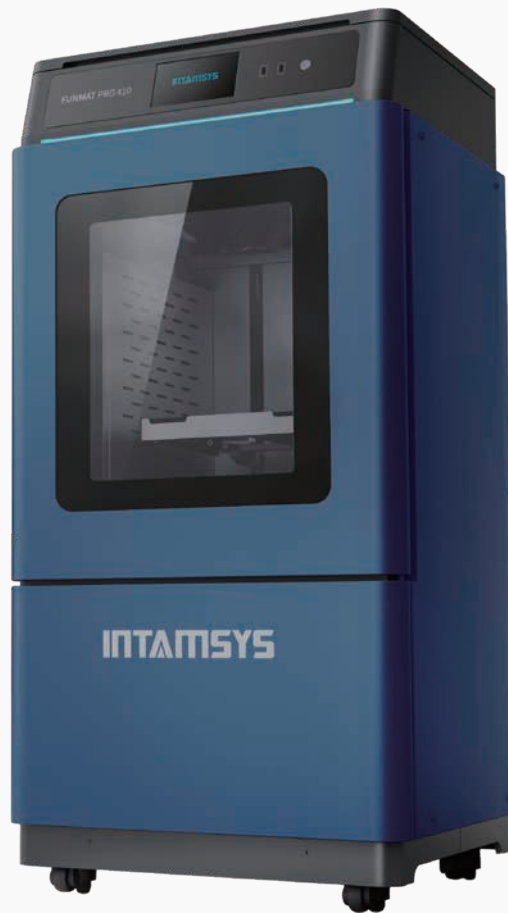


FUNMAT PRO 410

High Performance and Fiber Composite 3D Printer



Smart Design

Dual nozzle, auto-leveling, auto-feeding, jam warning, remote monitoring.



Advanced Thermal Design

90 °C (194 °F) heated chamber and 500 °C (932 °F) nozzle, uniform chamber with liquid cooling system.



Multi-material Printing Capability

High Performance: PEEK, PEKK, PPS
Fiber Composite: PA-CF, PEEK-CF
Engineering: ABS, PC.



Dry Filament Chamber

Overall sealing design, built-in molecular sieve, can keep filament dry for over 30 days.

The FUNMAT PRO 410 is an industrial-grade FFF (Fused Filament Fabrication) 3D printer system characterized by its high-performance capabilities. Combining a respectable build volume with excellent print quality, the system is a great choice for professional and industrial users looking to 3D print high-performance parts with engineering-grade materials.



Technical Parameters

Printing

Technology	FFF (Fused Filament Fabrication)	Materials*	PEEK, PEEK-CF, PEEK-GF, PEKK, PPS, PC, PC-ABS, PPA-CF, PPA-GF, PA6/66, PA6-CF, PA12, PA12-CF, ABS, ASA, HIPS, SP3030 etc.
Build Volume	305 x 305 x 406 mm (12 x 12 x 16 in)	Nozzle Temperature	Max. 500 °C (932 °F)
Layer Thickness	0.1-0.5 mm	Build Plate Temperature	Max. 160 °C (320 °F)
Number of Nozzles	2	Chamber Temperature	Max. 90 °C (194 °F)
Number of Spools	2 (Max 3 Kg/pc)	Functions	Auto-cleaning Nozzles, Filament Jam Warning, Filament Absence Warning, Remote Monitoring, Remote Printing, Printing Recovery from Power Loss
Filament Diameter	1.75 mm		
Print Speed	Max. 120 mm/s		
Nozzle Diameter	Default: 0.4 mm (Optional: 0.25/0.6 mm)		
Leveling	Auto Leveling, Manual Leveling		

Machine

Voltage	200-240 V, 15 A, 50/60Hz	Filament Chamber	Overall Sealed Design, Built-in Reusable Molecular Sieve to Keep Dry, Temp. and Humidity Real-time Monitoring, Auto Filament Feeding
Max. Power	3 kW	Travel Speed	Max. XY 300 mm/s, Max. Z 50 mm/s
Connectivity	WiFi, Ethernet, USB	Resolution	XY: 15.6 µm; Z: 1.56 µm
Screen	7" Touch Screen	Printer Size	728 x 684 x 1480 mm (35.0 x 34.6 x 66.5 in)
Build Plate	Ceramics Glass Plate with Magnetic Fixations	Printer Weight	230 Kg (507 lb)
Build Chamber	Fully Enclosed Printing Chamber		
Motor System	High-precision Closed-loop Drive		
Cooling	Liquid Cooling System & Fan		

Safety

Safety Design	Electromagnetic Safety Door Lock, Over Temperature Protection, Overload Protection, Leakage Protection, Warning Labels
Safety Standards	EN60204
Certification	CE, FCC, SGS

Slicing

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

Operating Environment

Working Temperature	15 °C ~ 30 °C (59 °F ~ 86 °F)
Working Humidity	30 ~ 70 %
Storage Temperature	0 °C ~ 35 °C (32 °F ~ 95 °F)
Storage Humidity	20 ~ 90 %

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