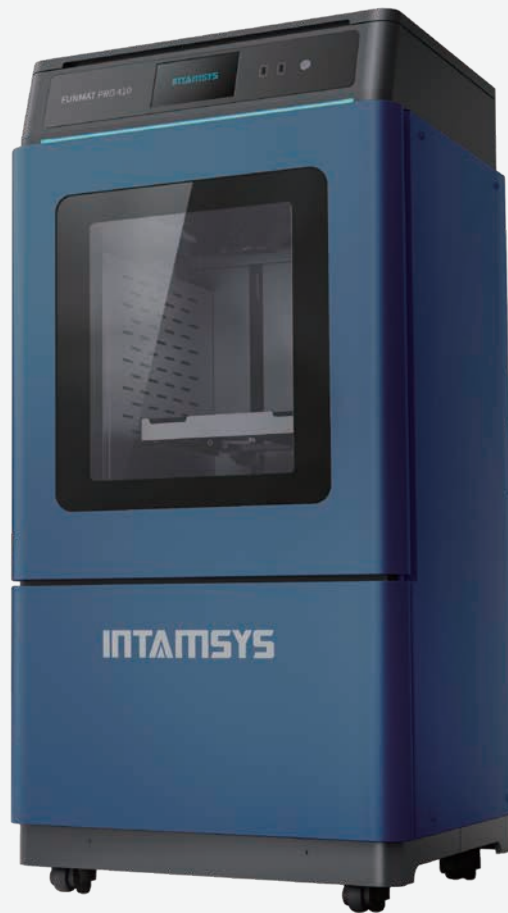


FUNMAT PRO 410

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, PVA, Carbon Fiber-filled, Glass Fiber-filled, 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
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™
Supported File Types	.stl/.obj/.x3d/.3mf/.stp/.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.