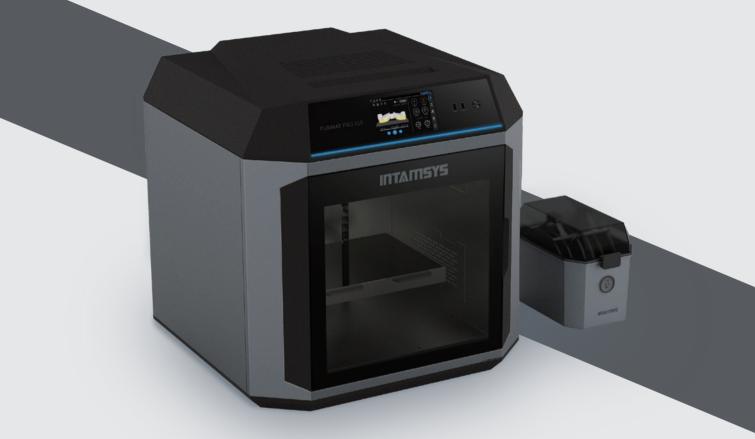


FUNMAT PRO 310

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 duplication and mirror modes



Independent Filament Box keeps material dry for high-quality prints

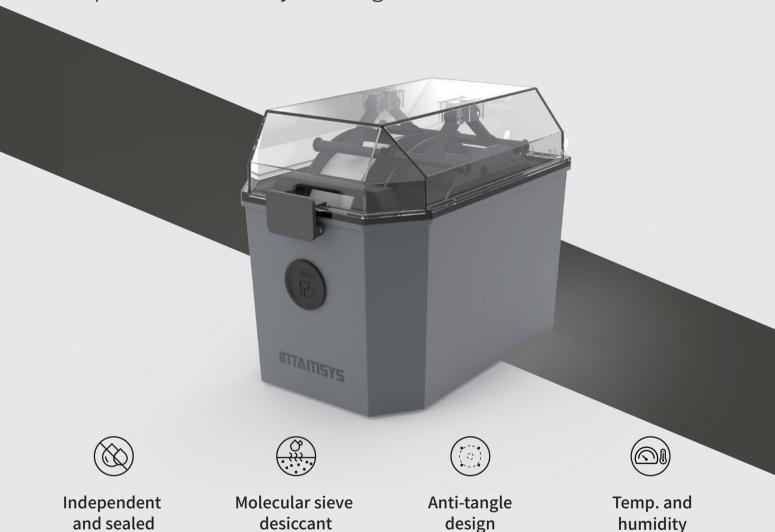


Intelligent design and wholeprocess control



INTAMBox

Keep Your Material Dry for Longer



Technical paramenters

Number of filament spools	2 x 1kg
Spool size	Diameter 200±4mm, width 40-70mm
Drying time	≤10%RH for 20 days (closed)
Environment temperature	-10°C~60°C(14°F-140°F)
Desiccant	4A molecular sieve, 900g
Regeneration of desiccant	Dry at 200°C (392°F) for 2 hours
Product size	315 x 205 x 257mm
Product weight	2.45kg



monitoring

Reusable Drying Unit



Assist Cabinet

Meeting the Needs of Engineers for Convenient Work



Wheels for easy movement



Folding side table



Accessory drawer



Filament storage drawer

Accessory Drawer Overview

- High temperature resistant glove x1
- **8** Pvp glue x2 (additional purchase required)
- 2 Copper brush x1
- Flash drive x1
- 3 Allen driver w/ handle x4 Leveling card x1
- 4 Allen key set x1
- **11** Printhead x1(additional purchase required)
- **6** Scraper x1
- 12 Nozzle x6(additional purchase required)
- 6 Needle-nose pliers x1
- Tweezer x1
- Cutting pliers x1



Product Performance Overview

Product		- 11		Eng	inoori	n ~ 1/1-	torial	<u></u>	
Series		- 11	N I AIVI	Elig	шееп	ng wa	aterial	.5	
Material	PC	PC-ABS	PC-PBT	PC-FR	PA6/66	PA6-CF	PA12-CF	ABS	ASA
Tensile strength (MPa) ISO 527	60.7	42.7	43.2	66.8	72.7	74.8	69.3	28.8	43.8
Young's modulus (MPa) ISO 527	2,480	2,260	2,100	2,810	2,595	3,918	3,748	1,847	2,379
Elongation at break(%)	5.6	4.7	6.9	3.5	4.6	5.8	2.9	3.8	6.7
Flexural strength (MPa) ISO 178	84.3	76.5	56.7	97	123.1	130.5	114.1	66.5	73.4
Flexural modulus (MPa) ISO 178	1,685	2,055	1,938	2,490	1,681	5,224	3,532	1,530	3,206
Notched impact strength (KJ/m2)	15.6	16.2	26.9	12.1	8.1	12.0	12.1	16.4	10.3
Heat deflection temperature (°C)	99.3	106	91	107	69	140	105	98	100.2
Glass transition temperature(° C)	113	109	140	115	67	74	42	101	97.8
Melting point (°C)	-	-	223	-	190	220	178	-	-
Support material	HIPS	HIPS	HIPS	HIPS	PVA SP3040	PVA SP3040	SP3050	HIPS	HIPS SP3040
Material characteristics	Durable and stable Wide range of applications	Good toughness High temperature resistance High surface finish	Good corrosion resistance High toughness at low temperature	Excellent flame retardancy High mechanical strength	High strength Good toughness High temperature resistance	High strength High dimensional stability Smooth print surface	High strength High dimensional stability Low moisture absorption	Durable Good overall performance	Anti-UV Good weather resistance

Note: The mechanical performance is based on samples printed by INTAMSYS 3D printers.



The FUNMAT PRO 310 responds to the growing demands of professional engineers with a thermostatic chamber and full-size printing capability on a desktop machine. The thermostatic chamber can reach up to 100 °C to print engineering plastics with a build volume of 305X260X260mm. Plug & play and easy-to-remove modular IDEX design provides multiple printing modes.

With whole-process control, the FUNMAT PRO 310 offers engineering material capabilities such as ASA/ABS/PC/PC-ABS/PA/PA-CF with our user-friendly 3D model-slicing software, INTAMSUITE.

Technical Parameters

Technology	FFF	Print Speed	Max.120mm/s		
Build Volume	Single Nozzle: 305 × 260 × 260 mm;	Nozzle Diameter	0.4mm (Optional: 0.25/0.6mm)		
Dalla Volume	$(12 \times 10.2 \times 10.2 \text{in})$	Chamber Temperature			
	Dual Nozzle: $260 \times 260 \times 260 \text{mm}$		Build Plate Temperature Max. 160°C (320°F)		
	$(10.2 \times 10.2 \times 10.2 \text{in})$	Leveling	Mesh leveling(Max. 100 points)		
Printer Size	700 × 655 × 700mm	Filament Diameter	1.75mm		
Timer Size	27.6 × 25.8 × 27.6in	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		
Nozzle Temperature	` 	Tarrectoris	Monitor, Remote Control, Remote Print		
Voltage	100–132V/15A or	Nozzle	Quick release design, easy installation		
	200-240V/7A. 50/60 Hz	maintenance	and disassembly		
Max. Power	1600W		Standalone, overall sealed, built-in		
Connectivity	WiFi, Ethernet, USB	Filament Box	reusable molecular sieve to ensure		
Screen	7" Touch Screen		low humidity, real-time monitoring		
Build Plate	Flexible Buildplate + Magnetic Fixation		of temperature and humidity.		
		Number of Filament Trays	2 (Max 1Kg/pcs)		
Cooling	FAN	Materials*	PA6/66, PA6-CF, PA12-CF, PC, PC-ABS,		
Filtering system	HEPA+Activated Carbon, replaceable		ABS, ASA, PLA, HIPS, PVA		
	Safety door lock, over temperature	Certification	CE, FCC, SGS		
Safety Design	protection, overload protection,	Slicing Software	INTAMSUITE		
- Careey 2 co.g	warning labels	Supported File Types	STL/OBJ/X3D/3MF/STP/IGES		
Safety Standards	EN60204	Operating System	Windows		
Environment Tempe	erature 15~30°C(59~86°F)	Storage Temperature	0~35°C(32~95°F)		
Environment Humid		Storage Humidity	 20~90%		

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

INTAMSYS is a world-leading high-tech company providing 3D printing and industrial direct additive manufacturing solutions for high-performance materials. It is co-founded by a team of engineers from world-class high-tech companies engaged in precision equipment development and high-performance materials research for many years.

Focusing on aerospace, aviation, automotive, electronic manufacturing, consumer goods, healthcare, scientific research and other industries, INTAMSYS provides comprehensive additive manufacturing solutions from functional test prototyping, tooling and fixture manufacturing to small batch production of final products, software, high-performance materials and printing services.

Global Sales Network



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