INTAMSYS
infinite possibilities

FUNMAT PRO 410

A Smart Multiple Functional Materials All-in-one Solution Designed and Manufactured by INTAMSYS
Ideal for Industrial Additive Manufacturing

FUNMAT PRO 410   INTAMSYS

INTAMSYS

FUNctional MATerials

- Advanced Thermal Design
- Dual Nozzle 3D Printing Solutions
- High Speed, High Precision
- **AUTO** Sensor Assisted Automatic Leveling
- Smart Design for Continuous Production
- Multiple Functional Materials
- High Safety Standards
- Comfortable & Easy-to-use Interface

PEEK, PEEK-CF, PEKK, PEI, PPSU, PA, PA-CF, PC, ABS ...

Technical Specifications

🖼 SIZE & WEIGHT

Printer Size	720 × 680 × 1470 mm
Printer Weight	220 kg

⚙ PRINTING

Printing Technology	FFF (Fused Filament Fabrication)
Build Volume	305 × 305 × 406 mm (12 × 12 × 16 inches)
Layer Thickness	0.05~0.3mm, Default 0.4mm Nozzle
Printing Nozzles	2 Nozzles, One Fixed, One Up/Down Movable
Printing Speed	MAX Travel Speed XY: 500mm/s MAX Acceleration XY: 5000mm/s^2
Nozzle Diameter	Default 0.4mm, 0.6mm Selectable
Nozzle Cleaning	Auto-cleaning station
Filament Diameter	1.75 mm
Filament Type	PEEK, PEKK, PEI, PPSU, PC, Nylon, ABS, HIPS, PETG, PLA, PVA, CF-Filled, etc
Air Filtering	Yes
Camera	Yes
Leveling	Auto-leveling with High Precision Sensors
Extruder Temperature	500°C/932°F
Platform Temperature	160°C/320°F
Chamber Temperature	90°C/194°F
Smart Monitor & Control	Filament Jam Warning, Filament Absence Warning, Power Failure Recovery

⚙ MECHANICAL

Build Plate	Ceramic Glass
Filament Chamber	Heated Dry Box Max. Temperature 70°C/158°F
Resolution	XY: 15.6um Z: 1.56um
Cooling System	Water Cooling

☺ ELECTRICAL

Input	200~240V/15A, 50~60Hz
MAX Power	3KW
Connectivity	USB, Wifi, Internet
Touch Screen	7 Inch Smart Touch Panel
Safety Protection	Over Current & Temperature, Leakage Current
Regulatory Compliance	CE, SGS, FCC

🖥 SOFTWARE

Slicing Software	IntamSuite
Supported File Types	.stl, .obj
Host Platform	Windows

🌡 ENVIRONMENT

Operating Temperature	15~30°C/59~86°F
Storage Temperature	-10°C~50°C/14~122°F
Operating Humidity	30%~70%
Storage Humidity	10%~85%

FUNMAT PRO 410 INTAMSYS

INTAMSYS