

FUNMAT PRO 410

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



FUNctional MATerials



Advanced
Thermal Design



Dual Nozzle 3D
Printing Solutions



High Speed,
High Precision



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%

