

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 × 670 × 1460 mm
Printer Weight	200 kg



PRINTING

Printing Technology	FFF (Fused Filament Fabrication)
Build Volume	305 × 305 × 406 mm (12 × 12 × 16 inches)
Layer Thickness	50 μm, 0.1 mm, 0.15 mm, 0.2 mm, 0.3 mm
Printing Nozzles	2 Printing Nozzles Without Scratching
Printing Speed	Max. 300mm/s
Nozzle Diameter	0.25 mm, 0.4 mm, 0.5 mm, 0.6 mm, 0.8 mm, 1.2 mm
Nozzle Cleaning	Auto-cleaning station
Filament Diameter	1.75 mm
Filament Type	PEEK, PEKK, PEI, PPSU, PC, Nylon, ABS, PLA, PVA, TPU, Carbonfiber Reinforcement, etc..
Camera	Yes
Leveling	Auto-leveling with High Precision Sensors
Extruder Temperature	450°C
Platform Temperature	160°C
Chamber Temperature	90°C
Smart Monitor & Control	Filament Jam Warning, Filament Absence Warning, Power Failure Recovery



MECHANICAL

Build Plate	Glass Ceramics
Filament Chamber	Heated Dry Box
XY Resolution	0.016 mm
Z Resolution	0.0016 mm



ELECTRICAL

Input	220V/9A
Power Consumption	2000 W
Connectivity	WiFi, Internet, USB
Touch Screen	7 Inches Smart Touch Panel
Safety	EN60950
Regulatory Compliance	CE



SOFTWARE

Slicing Software	IntamSuit, Simplify 3D, Cura
Supported File Types	.stl, .obj
Host Platform	Windows



ENVIRONMENT

Operating Temperature	15–30°C
Storage Temperature	0–30°C

