

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



Liquid Cooling
System



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 × 1470mm

Printer Weight 220kg

PRINTING

Printing Technology FFF (Fused Filament Fabrication)

Build Volume 305 × 305 × 406mm (12 × 12 × 16inches)

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/s²

Nozzle Diameter Default 0.4mm, 0.6mm Selectable

Nozzle Cleaning Auto-cleaning station

Filament Diameter 1.75mm

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 Liquid Cooling System

ELECTRICAL

Input 200~240V/14A, 50~60Hz

Max Power 3KW

Connectivity USB, Wifi, Internet

Touch Screen 7Inch Smart Touch Panel

Safety 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°C~30°C/59°F~86°F

Storage Temperature 0°C~35°C/32°F~95°F

Operating Humidity 30%~70%

Storage Humidity 20%~90%



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