

High Performance Functional Materials

**All-in-One Solutions**

Designed for Industrial Additive Manufacturing

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

# FUNMAT HT

## Entry Level Desktop Industrial 3D Printer

### Advanced Thermal Design

Heated Chamber Up to 90°C,  
Hotend Up to 450°C

### Smarter Design

Automatic Leveling, Filament  
Absence Warning

### Over 20 Functional Materials

Able to Print PEEK, PEKK, ULTEM (PEI),  
PPSU and other Functional Materials



## Technical Parameters

Model	FUNMAT HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	260 × 260 × 260mm (10.2 × 10.2 × 10.2in)
Build Platform	PI Sheet Heating + Ceramic Glass
Leveling	Automatic Leveling
Layer Thickness	0.05-0.3mm
Max Travel Speed	Max. 300mm/s
Extruder Temperature	Max. 450°C/842°F
Platform Temperature	Max. 160°C/320°F
Chamber Temperature	Max. 90°C/194°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Resolution	XY: 12.25µm Z: 1.25µm
Motor Drive	4 High Performance Independent Drivers
Safety Certification	FCC, SGS and CE
Supported Materials	PEEK, PEEK+CF, PEKK, ULTEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiber-glass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

# FUNMAT PRO 410

## Smart Enterprise Level Industrial 3D Printer

### Smarter Design

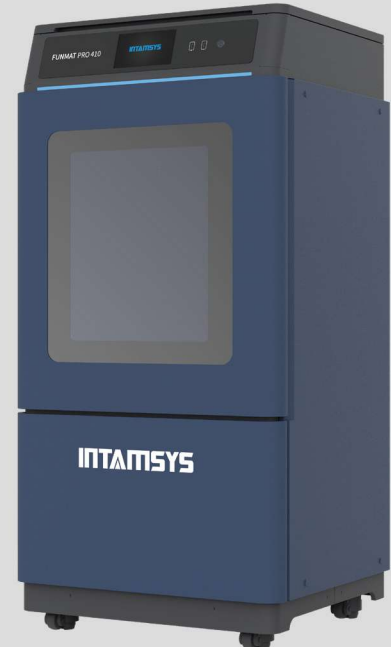
Smart Dual Nozzles 3D Printing Solution. Automatic Leveling, Jam Warning

### Heated Chamber

Able to Print Big Size Part without Warpage, Nozzles Liquid Cooling System

### Industrial-Grade Configuration

Industrial Grade Components for High Precision and High Speed Printing



### Technical Parameters

Model	FUNMAT PRO 410
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	305 × 305 × 406mm (12 × 12 × 16in)
Build Platform	PI Sheet Heating+Ceramic Glass
Leveling	Automatic Leveling
Layer Thickness	0.05-0.5mm
Max Travel Speed	XY: Max. 500mm/s XY: Max. Acceleration 5000mm/s <sup>2</sup>
Printing Nozzles	2 Printing Nozzles Without Scratching, Able to Move up and Down
Extruder Temperature	Max. 500°C/932°F, Nozzles Liquid Cooling System
Platform Temperature	Max. 160°C/320°F
Chamber Temperature	Max. 90°C/194°F
Filament Chamber Temperature	Max. 70°C/158°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Resolution	XY: 15.6µm Z: 1.56µm
Smart Monitor & Control	Filament Jam Warning, Nozzles Liquid Cooling System, Filament Absence Warning, Power Failure Recovery
Safety Certification	FCC and CE
Connectivity	WiFi, Internet, USB
Supported Materials	PEEK, PEEK+CF, PEKK, ULTEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiber-glass-Filled, ASA, PETG, ESD-Safe, HIPS, PLA, PVA, etc.

# FUNMAT PRO 610 HT

## Production Level Industrial 3D Printer

### High Build Volume

High Build Volume Up to 610 × 508 × 508mm for Industrial Applications

### High Performance Materials Production Capability

Able to Print Big Size PEEK, PEKK, ULTEM (PEI), PPSU and other Functional Materials without Warpage

### Advanced Thermal Design

Heated Chamber Up to 300°C, Extruder Up to 500°C



## Technical Parameters

Model	FUNMAT PRO 610 HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	610 × 508 × 508mm(24 × 20 × 20in)
Build Platform	Vacuum Absorption Platform
Leveling	Automatic Leveling
Layer Thickness	0.05-0.5mm
Max Travel Speed	XY: Max. 500mm/s Z: Max. 50mm/s
Printing Nozzles	2 Printing Nozzles Without Scratching
Extruder Temperature	Max. 500°C/932°F
Platform Temperature	Max. 300°C/572°F
Chamber Temperature	Max. 300°C/572°F
Filament Chamber Temperature	Max. 70°C/158°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm (2.85mm in option)
Position Resolution	XY: 12.5µm Z: 1.25µm
Motor Drive	High Precision Servo System
Smart Monitor & Control	Auto-cleaning Nozzles, Filament Jam Warning, Filament Absence Warning, Power Failure Recovery (option), Liquid and Active Air Cooling, Over Heat Protection
Safety Certification	FCC and CE
Connectivity	WiFi, Internet, USB
Supported Materials	PEEK, PEEK+CF, PEKK, ULTEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Fiberglass-Filled, ASA, ESD-Safe, HIPS, PVA, etc.



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