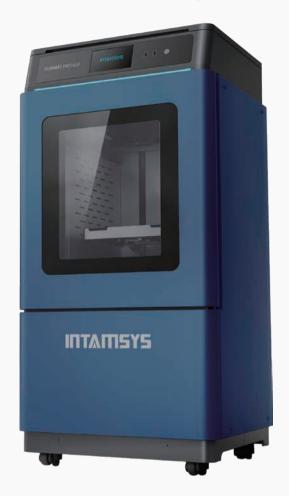
# **FUNMAT PRO 410**

# High Performance and Fiber Composite 3D Printer





## **Smart Design**

Dual nozzle, auto-leveling, auto-feeding, jam warning, remote monitoring.



# **Advanced Thermal Design**

90 °C (194 °F) heated chamber and 500 °C (932 °F) nozzle, uniform chamber with liquid cooling system.



# **Multi-material Printing Capability**

High Performance: PEEK, PEKK, PPS Fiber Composite: PA-CF, PEEK-CF Engineering: ABS, PC.



# **Dry Filament Chamber**

Overall sealing design, built-in molecular sieve, can keep filament dry for over 30 days.

The FUNMAT PRO 410 is an industrial-grade FFF (Fused Filament Fabrication) 3D printer system characterized by its high-performance capabilities. Combining a respectable build volume with excellent print quality, the system is a great choice for professional and industrial users looking to 3D print high-performance parts with engineering-grade materials.



### **Technical Parameters**

### Printing

**Technology** FFF (Fused Filament Fabrication) M. Build Volume 305 x 305 x 406 mm (12 x 12 x 16 in)

**Layer Thickness** 0.1-0.5 mm

Number of Nozzles 2

Number of Spools2 (Max 3 Kg/pc)Filament Diameter1.75 mmPrint SpeedMax. 120 mm/sNozzle DiameterDefault: 0.4 mm

(Optional: 0.25/0.6 mm)

**Leveling** Auto Leveling, Manual Leveling

Materials\* PEEK, PEEK-CF, PEEK-GF, PEKK, PPS, PC,

PC-ABS, PPA-CF, PPA-GF, PA6/66, PA6-CF, PA12, PA12-CF, ABS, ASA, HIPS, PVA,

Carbon Fiber-filled, Glass Fiber-filled, etc.

Nozzle Temperature Max.  $500 \,^{\circ}\text{C}$  (932  $^{\circ}\text{F}$ ) Build Plate Temperature Max.  $160 \,^{\circ}\text{C}$  (320  $^{\circ}\text{F}$ ) Chamber Temperature Max.  $90 \,^{\circ}\text{C}$  (194  $^{\circ}\text{F}$ )

**Functions** Auto-cleaning Nozzles, Filament Jam

Warning, Filament Absence Warning, Remote Control, Remote Printing

### Machine

**Voltage** 200-240 V, 15 A, 50/60Hz

Max. Power 3 kW

Connectivity WiFi, Ethernet, USB Screen 7" Touch Screen

**Build Plate** Ceramics Glass Plate with Magnetic

Fixations

Build ChamberFully Enclosed Printing ChamberMotor SystemHigh-precision Closed-loop DriveCoolingLiquid Cooling System & Fan

**Filament Chamber** Overall Sealed Design, Built-in Reusable

Molecular Sieve To Keep Dry, Temp. And Humidity Real-time Monitoring, Auto

Filament Feeding

**Travel Speed** Max. XY 300 mm/s, Max. Z 50 mm/s

**Resolution** XY: 15.6  $\mu$ m; Z: 1.56  $\mu$ m

**Printer Size** 728 x 684 x 1480 mm (35.0 x 34.6 x 66.5 in)

Printer Weight 230 Kg (507 lb)

#### Safety

Safety Design Electromagnetic Safety Door Lock, Over Temperature Protection, Overload Protection, Leakage Protection,

Warning Labels

Safety Standards EN60204 Certification CE, FCC, SGS

### Slicing

Slicing Software INTAMSUITE™

**Supported File Types** .stl/.obj/.x3d/.3mf/.stp/.iges

Operating System Windows

### **Operating Environment**

Working Temperature 15 °C  $\sim$  30 °C (59 °F  $\sim$  86 °F)

Working Humidity 30  $\sim$  70 %

**Storage Temperature** 0 °C  $\sim$  35 °C (32 °F  $\sim$  95 °F)

Storage Humidity  $20 \sim 90 \%$ 

<sup>\*</sup>Printing materials are not limited to this table, recommended printing materials are fully validated on the printer.