

FUNMAT HT

High-performance 3D Printer



High Performance Material Printing Capabilities

Ability to Print High-Performance Material like PEEK/PEEK-CF/PEEK-GF/PEKK/ULTEM, and Other Functional Materials.
Outstanding Printing Performance without Warping and Cracking

Large Format Desktop Industrial 3D Printer

Print volume up to 250 X 250 X 260mm

Advanced Thermal Design

Temperature control thermostat chamber, heated chamber up to 90°C (194°F), print plate up to 160 °C (320°F), nozzle temperature up to 450°C (842°F)

Smarter Design

Auto bed leveling, filament run-out alarm



The advanced design of FUNMAT HT makes it easy to adapt to lab and workshop environment. It is offering print size up to 260mm with excellent performance of parts. It allows to print common engineering filaments as well as high-performance filaments such as PEEK, PEEK-CF, PEEK-GF, PEKK, and compatible with third-party materials.

Technical Parameters

Model	FUNMAT HT
Printing Technology	Fused Filament Fabrication (FFF)
Machine Size	543 × 501 × 663mm (21.4 × 19.7 × 26.1in)
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	High Performance Independent Drivers
Safety Certification	FCC/SGS/CE
Supported Materials*	PEEK/PEEK-CF/ PEEK-GF/PEKK/PC/PC Alloys/PA/PA-CF/ASA/ABS/HIPS/TPU/ PETG/PLA/Carbon Fiber-Filled/Glass Fiber-Filled/ESD-Safe, etc.

*results of part printing may vary depending on material and/or design and size of the printed part