



# HIGH PERFORMANCE

FUNCTIONAL MATERIALS 3D PRINTING

## Company Profile

INTAMSYS (Abbreviation of **INT**elligent **Additive M**anufacturing **SYS**tems) is an industrial-grade 3D printers' manufacturer specializes in high performance engineering thermoplastics 3D printing. The company was founded by a team of engineers with in-depth experience and know-how in engineering high-precision industrial machinery and equipment.

The company's state-of-the-art FUNMAT 3D Printers are designed for high performance functional materials 3D printing at affordable prices. FUNMAT is the abbreviation of functional materials. INTAMSYS is committed to the highest manufacturing design and quality standards where all INTAMSYS 3D printers have received FCC and CE certifications.

Headquartered in Shanghai, INTAMSYS operates a number of manufacturing and research facilities in China. INTAMSYS has empowered engineers, researchers, designers, educators and medical professionals with its high performance functional materials 3D printing solutions. Today, INTAMSYS is trusted globally by customers from aerospace, medical, manufacturing and education industries.

## Certifications



## Partnerships



University of California  
San Francisco



NATIONAL  
ACCELERATOR  
LABORATORY

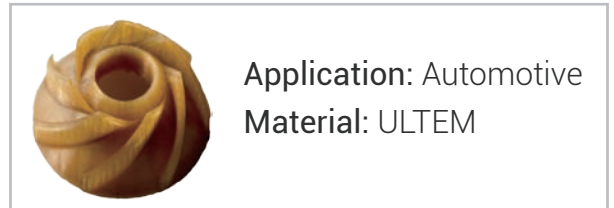
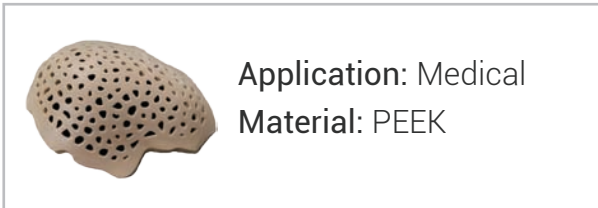
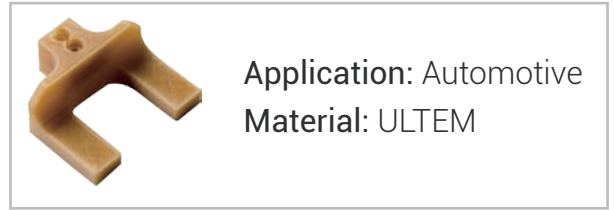
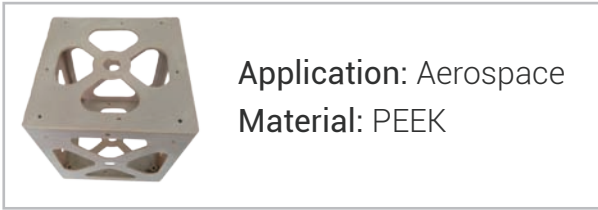


復旦大學

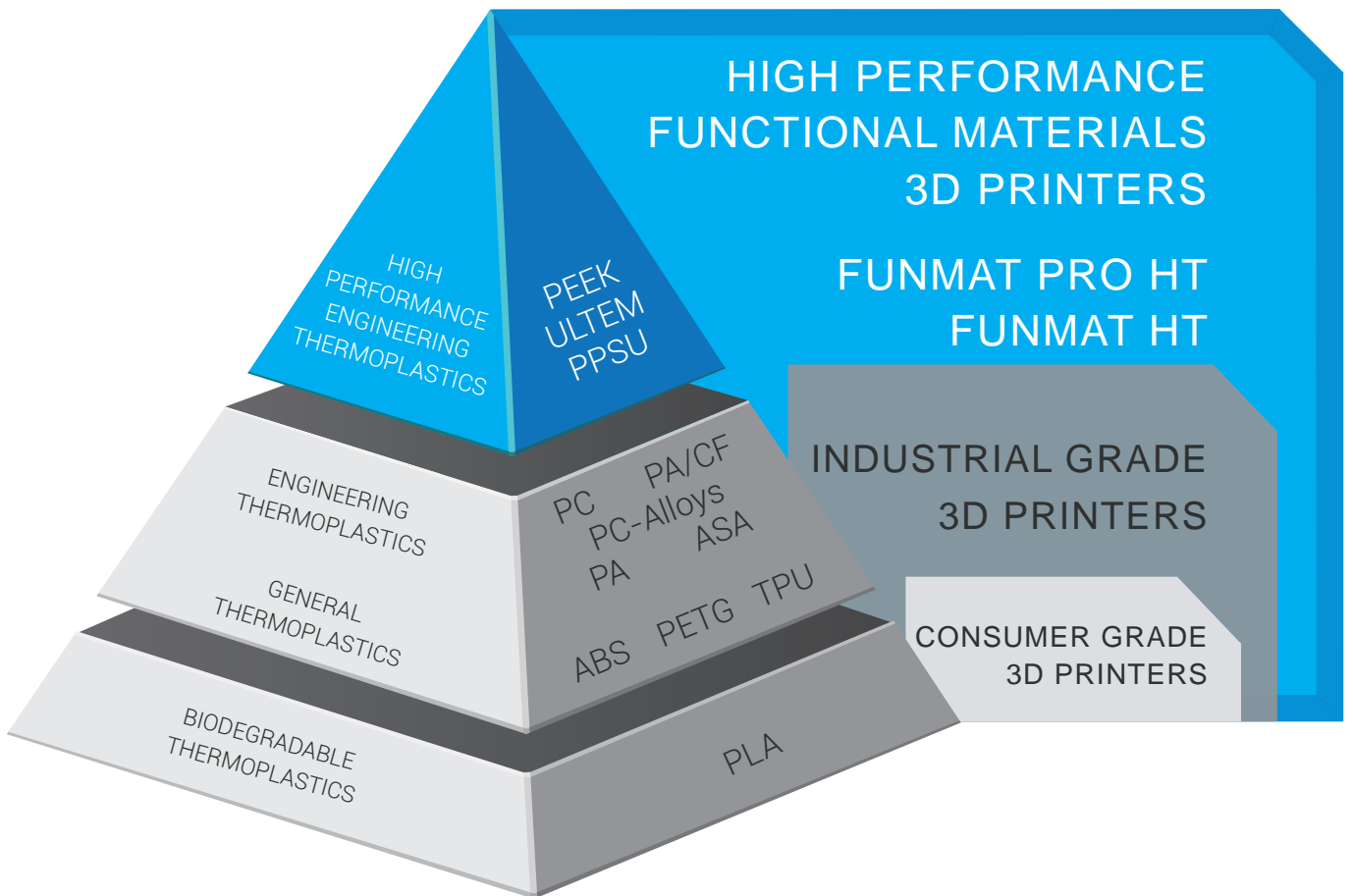


香港科技大学  
The Hong Kong University of  
Science and Technology

| PEEK And ULTEM Prints 3D Printed With INTAMSYS FUNMAT HT



| INTAMSYS High Performance 3D Printing Solutions



# FUNMAT

## Industrial Quality Desktop 3D Printer



### Insulated Chamber

3D print standard filaments without warpage and cracks



### Filament Absent Warning

Alert users with an alarm when is running out of filament



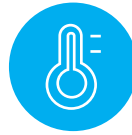
### Built-in Camera

Remotely monitor printing process via APP on smartphone

Model	FUNMAT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	260*260*260mm
Build Platform	Aluminum Plate + High Borosilicate Glass
Layer Thickness	0.05-0.3mm
Print Speed	30-300mm/s
Extruder Temperature	280°C/536°F
Platform Temperature	120°C/248°F
Chamber Temperature	--
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Accuracy	X/Y: 12.5µm Z: 1.25µm
Safety Certification	FCC and CE
Supported Material	PA/CF, PC, PC Alloys, PA, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, ETC.

# FUNMAT HT

## High Performance Functional Materials 3D Printer



### Constant Temperature Chamber

Control and maintain chamber temperature at 90°C



### High Temperature Nozzle

High temperature all metal hotend that can heat up to 450°C



### Functional Material Capability

3D print PEEK, ULTEM (PEI), PPSU and other functional materials

Model	FUNMAT HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	260*260*260mm
Build Platform	Aluminum Plate + High Borosilicate Glass
Layer Thickness	0.05-0.3mm
Print Speed	30-300mm/s
Extruder Temperature	450°C/842°F
Platform Temperature	160°C/320°F
Chamber Temperature	90°C/194°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Accuracy	X/Y: 12.5µm Z: 1.25µm
Safety Certification	FCC and CE
Supported Material	PEEK, ULTEM, PPSU, PA/CF, PC, PC Alloys, PA, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, ETC.

# FUNMAT PRO

## High Build Volume Industrial 3D Printer



### High Build Volume

High build volume of 450\*450\*600 mm for industrial applications



### Heated Build Plate

3D Print without warpage. Build plate comes with assisted leveling mechanism



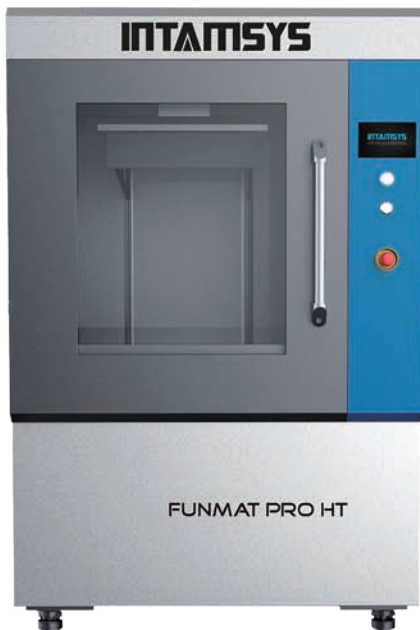
### Industrial-Grade Configuration

Industrial grade components for high precision and high quality prints

Model	FUNMAT PRO
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	450*450*600mm
Build Platform	Aluminum Plate + High Borosilicate Glass
Layer Thickness	0.05-0.5mm
Print Speed	30-300mm/s
Extruder Temperature	280°C/536°F
Platform Temperature	120°C/248°F
Chamber Temperature	60°C/140°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Accuracy	X/Y: 18.75um Z: 1.56um
Safety Certification	FCC and CE
Supported Material	PA/CF, PC, PC Alloys, PA, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, ETC.

# FUNMAT PRO HT

## High Build Volume Functional Materials 3D Printer



### High Build Volume 3D Printer

High build volume up to 450x450x600 mm for industrial applications



### Functional Material Capability

3D print PEEK, ULTEM (PEI), PPSU and other functional materials



### High Temperature Metal Nozzle

High temperature all metal hotend that can heat up to 450°C

Model	FUNMAT PRO HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	450*450*600mm
Build Platform	Aluminum Plate + High Borosilicate Glass
Layer Thickness	0.05-0.5mm
Print Speed	30-300mm/s
Extruder Temperature	450°C/842°F
Platform Temperature	160°C/320°F
Chamber Temperature	120°C/248°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Accuracy	X/Y: 18.75um Z: 1.56um
Safety Certification	FCC and CE
Supported Material	PEEK, ULTEM, PPSU, PA/CF, PC, PC Alloys, PA, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, ETC.