

FUNMAT PRO

High Build Volume Industrial 3D Printer



High Build Volume

High Build Volume of 450×450×600mm for Industrial Applications

Heated Chamber

Able to Print Big Size PC, ABS, PA, PA+CF, TPU, etc. without Warpage

Industrial-Grade Configuration

Industrial Grade Components for High Precision and High Speed Prints

Model	FUNMAT PRO
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	450 × 450 × 600mm (17.7 × 17.7 × 23.6 in)
Build Platform	High Borosilicate Glass
Layer Thickness	0.05-0.5mm
Printing Speed	Max. 300mm/s
Extruder Temperature	Max. 270°C/518°F
Platform Temperature	Max. 120°C/248°F
Chamber Temperature	Max. 60°C/140°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm/2.85mm
Position Resolution	XY: 18.75μm Z: 1.56μm
Motor Drive	4 High Performance Independent Drivers
Safety Certification	FCC and CE
Supported Material	PA+CF, PC, PC Alloys, PA, ABS, Carbon Fiber-Filled, Metal-Filled, Fiber glass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

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infinite possibilities

Company Profile

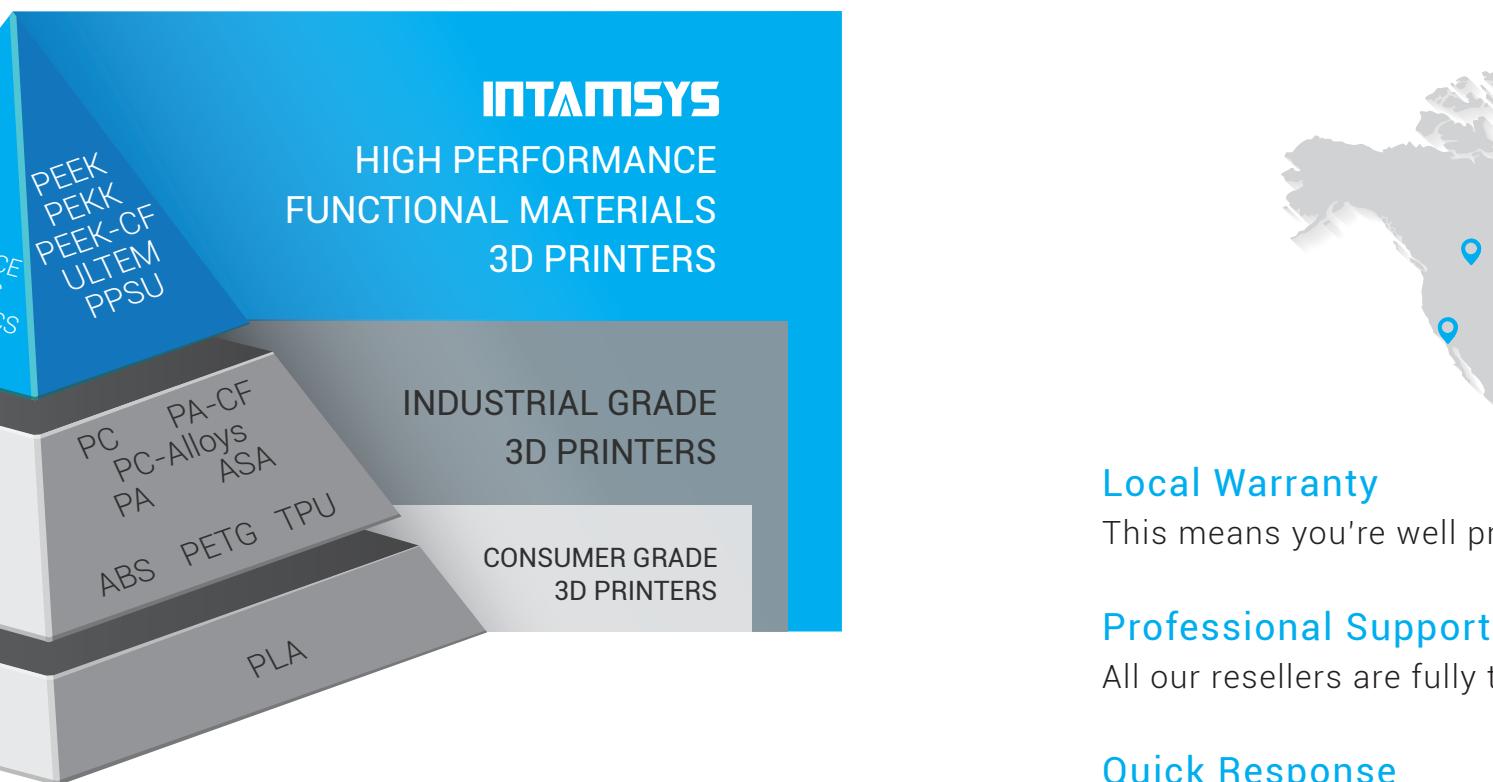
INTAMSYS (abbreviation of INTElligent Additive Manufacturing SYStems) is a fast-growing industrial 3D printers manufacturer and additive manufacturing solutions provider.

The smarter and easier to use INTAMSYS 3D printers offers a high performance multiple functional materials all-in-one solution. Using high performance functional materials like PEEK, PEKK, ULTEM, PPSU, etc. and other engineering materials like PC, PA, PA-CF, ABS, etc. our 3D printers are ideal for low volume continuous production and provide a reliable solution for applications in diverse industries (aerospace, automotive, jigs & fixtures, medical sector, research, etc.).

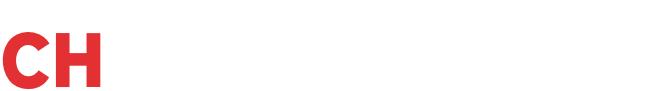
Headquartered in Shanghai, INTAMSYS operates a number of manufacturing and research facilities and is committed to the highest manufacturing design and quality standards.

As of today, INTAMSYS's vision is clear, to create Infinite Possibilities to customize our future life.

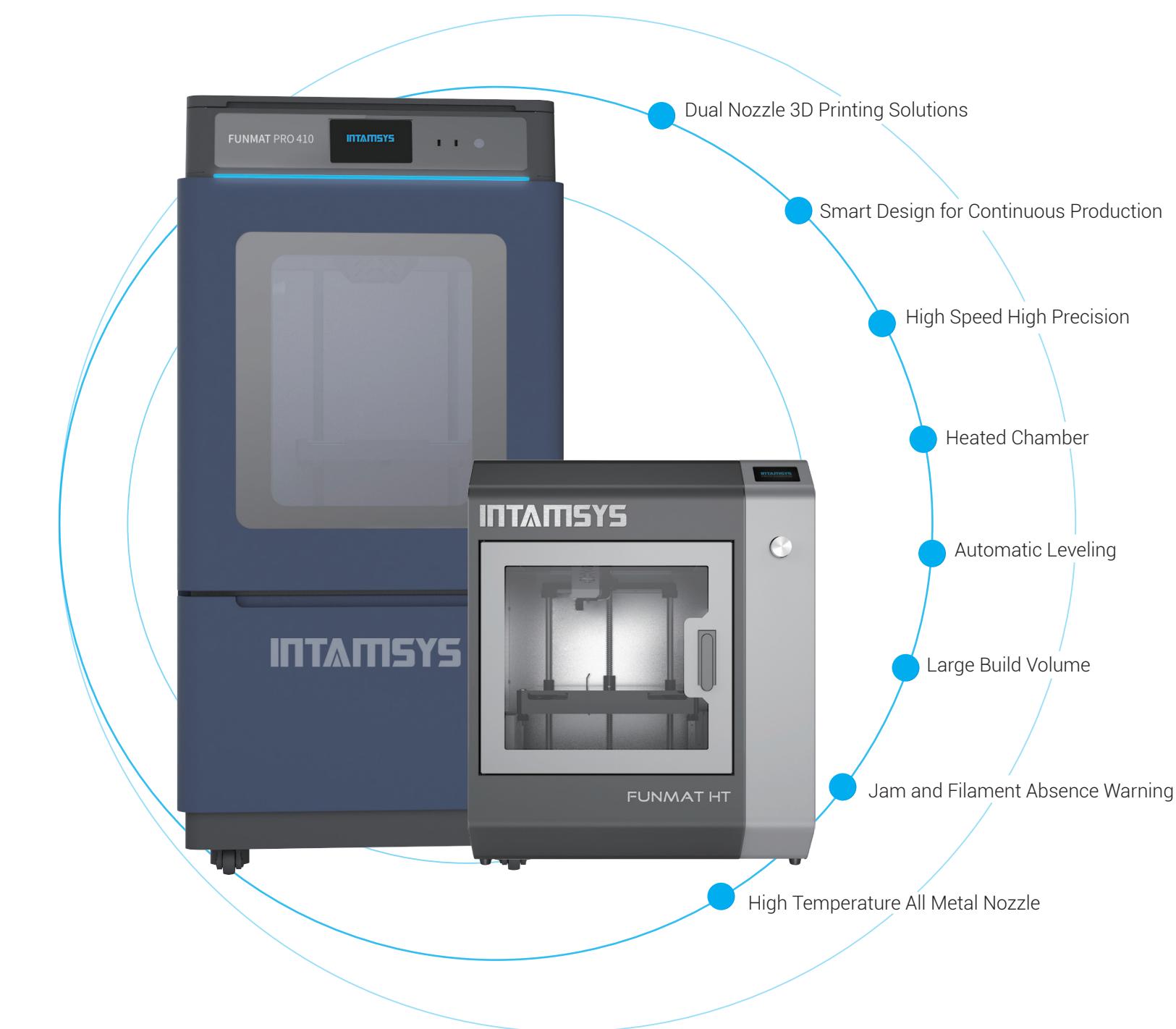
INTAMSYS High Performance 3D Printing Solutions



Partnerships



Applications By Customers Globally



High Performance Functional Materials

All-in-One Solutions

Designed for Industrial Additive Manufacturing

FUNMAT HT

High Performance Functional Materials 3D Printer



Advanced Thermal Design

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



Smarter Design

Automatic Leveling, Filament Absence Warning



Functional Material Capability

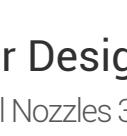
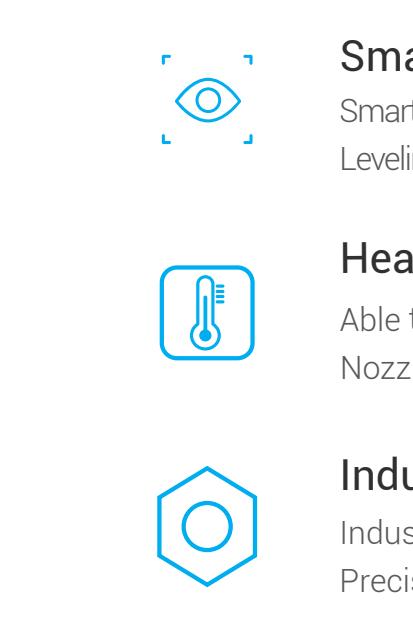
Able to Print PEEK, PEKK, ULETEM (PEI), PPSU and other Functional Materials

Model	FUNMAT HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	260 × 260 × 260mm (10.2 × 10.2 × 10.2 in)
Build Platform	PI Sheet Heating + Ceramic Glass
Leveling	Automatic Leveling
Layer Thickness	0.05-0.3mm
Printing 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: 12.5µm Z: 1.25µm
Motor Drive	4 High Performance Independent Drivers
Safety Certification	FCC and CE
Supported Material	PEEK, PEEK+CF, PEKK, ULETEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

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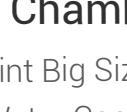
FUNMAT PRO 410

Smart Functional Materials 3D Printer



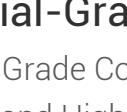
Smarter Design

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



Heated Chamber

Able to Print Big Size Part without Warpage
Nozzles Water Cooling System



Industrial-Grade Configuration

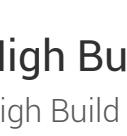
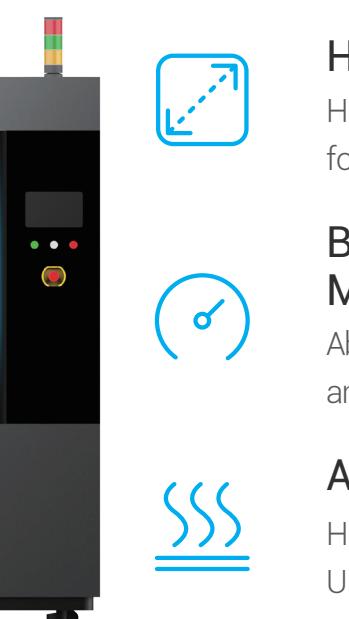
Industrial Grade Components for High Precision and High Speed Printing

Model	FUNMAT PRO 410
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	305 × 305 × 406mm (12 × 12 × 16 in)
Build Platform	PI Sheet Heating+Ceramic Glass
Leveling	Automatic Leveling
Layer Thickness	0.05-0.5mm
Printing Speed	Max. 300mm/s
Extruder Temperature	Max. 500°C/932°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: 16µm Z: 1.6µm
Motor Drive	Smart Monitor & Control
Safety Certification	FCC and CE
Supported Material	PEEK, PEEK+CF, PEKK, ULETEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

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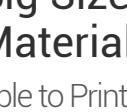
FUNMAT PRO 610 HT

High Build Volume Functional Materials 3D Printer



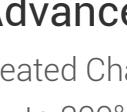
High Build Volume

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



Big Size High Performance Materials Capability

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



Advanced Thermal Design

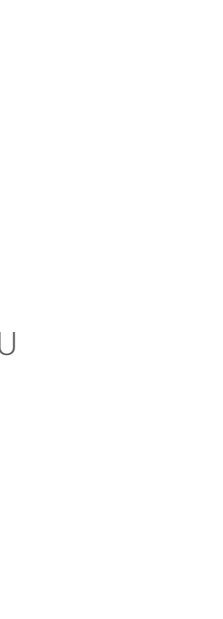
Heated Chamber Up to 300°C, Platform Up to 300°C, Extruder Up to 500°C

Model	FUNMAT PRO 610 HT
Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	610 × 508 × 508mm (24 × 20 × 20 in)
Build Platform	Vacuum System
Leveling	Automatic Leveling
Layer Thickness	0.05-0.5mm
Printing Speed	XY: Max. 500mm/s Z: Max. 300mm/s
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
Position Resolution	XY: 12µm Z: 7µm
Motor Drive	High Precision Servo System
Safety Certification	FCC and CE
Supported Material	PEEK, PEEK+CF, PEKK, ULETEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

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FUNMAT PRO HT

High Build Volume Functional Materials 3D Printer



High Build Volume

High Build Volume Up to 450×450×600mm for Industrial Applications



Functional Materials Capability

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



High Temperature Water Cooling 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 (17.7 × 17.7 × 23.6 in)
Build Platform	PI Sheet Heating + Ceramic Glass
Layer Thickness	0.05-0.5mm
Printing Speed	Max. 300mm/s
Extruder Temperature	Max. 450°C/842°F
Platform Temperature	Max. 160°C/320°F
Chamber Temperature	Max. 120°C/248°F
Input File Type	STL, OBJ
Filament Diameter	1.75mm
Position Resolution	XY: 18.75µm Z: 1.56µm
Motor Drive	4 Independent Drivers
Safety Certification	FCC and CE
Supported Material	PEEK, PEEK+CF, PEKK, ULETEM (PEI), PPSU, PC, PC Alloys, PA, PA+CF, ABS, Carbon Fiber-Filled, Metal-Filled, Fiberglass-Filled, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, etc.

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