

Industrial 3D Printers

# High Performance Production Solutions



## | About INTAMSYS

INTAMSYS is a world-leading high-tech company providing 3D printing and industrial direct additive manufacturing solutions for [high-performance materials](#). It is co-founded by a team of engineers from world-class high-tech companies engaged in precision equipment development and high-performance materials research for many years.

Focusing on [aerospace, aviation, automotive, electronic manufacturing, consumer goods, healthcare, scientific research and other industries](#), the company provides comprehensive additive manufacturing solutions from functional test prototyping, tooling and fixture manufacturing to direct mass production of final products, covering equipment, software, high-performance materials and printing services.

## | Collaboration with top filament manufacturers

### Cooperating with top filament manufacturers

INTAMSYS cooperates with top filament manufacturers, through continuous testing and material comparison, finding out the most fitting materials for each applications. The wide range of materials includes [PEEK, PEKK, ULTEM™ \(PEI\), PPSU, PA, PA-CF, PC, ABS](#), and much more!

### Defining the right process

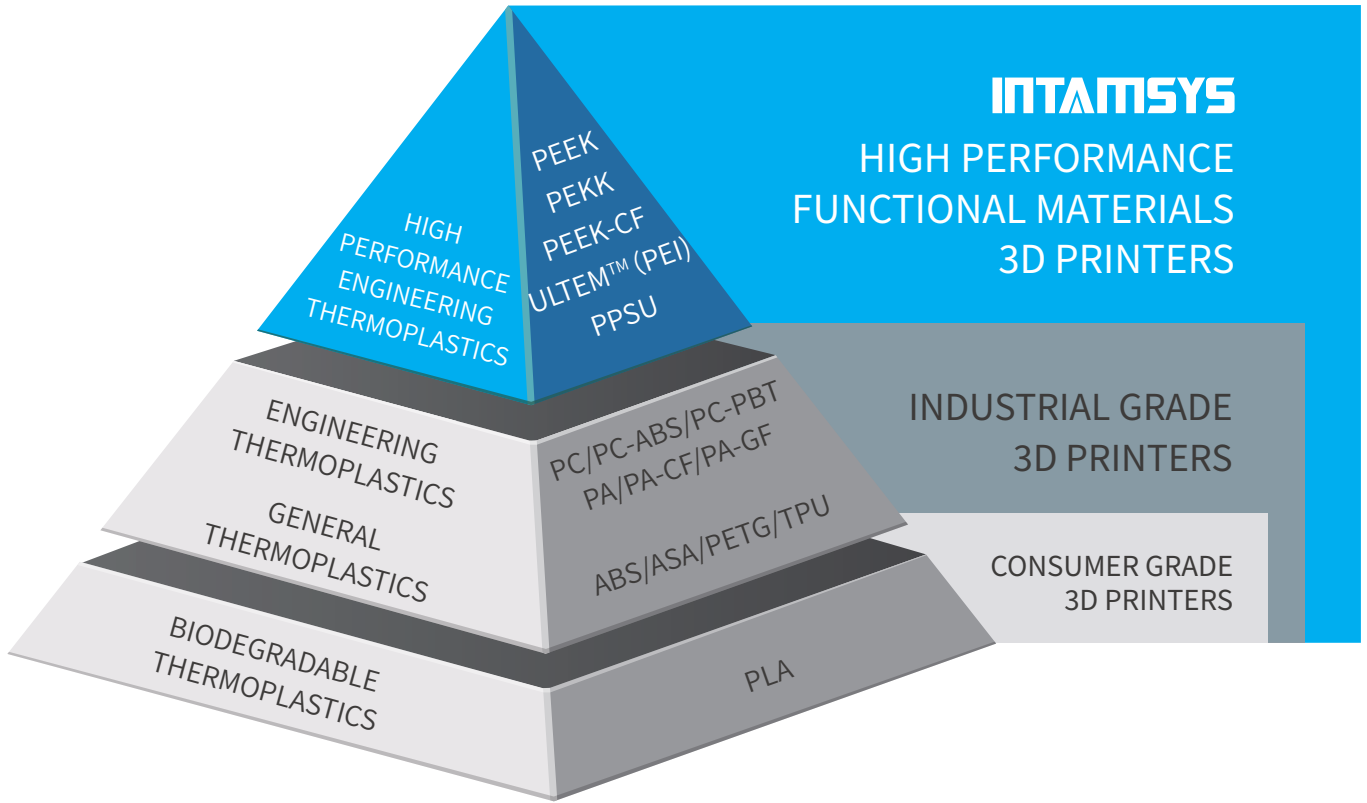
Customers can achieve the expected printing effect through [preset printing parameters](#).

### Meeting YOUR application requirements

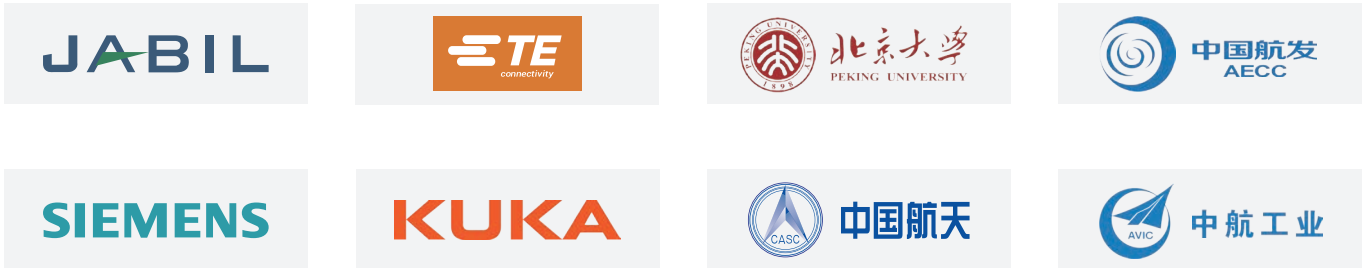
INTAMSYS 3D printers now enable you to choose a wide range of polymers from many different manufacturers. Thanks to accurate printing parameters, the printing quality and experience has never been so good!



# INTAMSYS High Performance 3D Printing Solutions



## Customers



## Filament Manufacturers



# | Applications



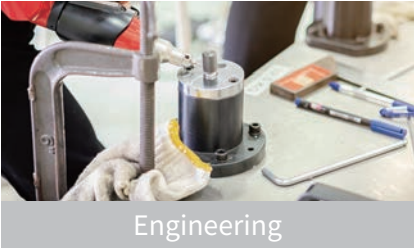
Aerospace & Aviation



Automotive



Healthcare



Engineering



Scientific Research



Power & Energy

# | Global Sales & Support Networks



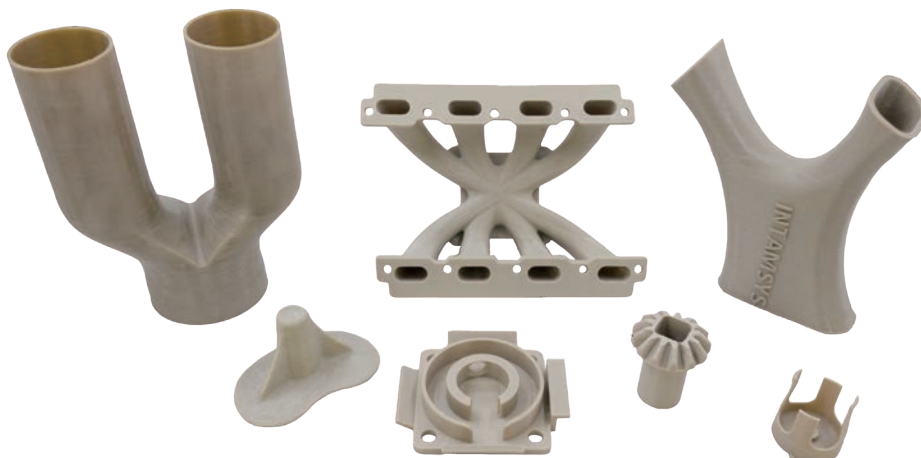
★ Headquarters    📍 Offices    📍 Resellers



INTAMSYS is a world-leading high-tech company that provides high-performance 3D printing materials, direct additive manufacturing solutions and software.

Co-founded by a team of engineers with years of precision equipment development and high-performance material research, the company is headquartered in Shanghai. Currently, it has established a complete marketing and after-sales service system covering the whole world, with 2 European and American marketing and technical service centers, respectively located in Germany and in the United States.

INTAMSYS focuses on aerospace, automotive, electronic manufacturing, consumer products, medical, scientific research and other industries, providing complete additive manufacturing solutions, from functional test prototyping, tooling fixture manufacturing to customized mass production.



# FUNMAT PRO 610 HT

## High Performance Materials Production Level 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 (572°F), Extruder Up to 500°C (932°F)



## Technical Parameters

|                              |   |
|------------------------------|---|
| Model                        | FUNMAT PRO 610 HT   |
| Printing Technology          | Fused Filament Fabrication (FFF)  |
| Machine Size                 | 1710×1390×2080mm (67.3×54.7×80.1in)   |
| Build Volume                 | 610×508×508mm (24×20×20in)  |
| Build Platform               | Vacuum Absorption Platform  |
| Leveling                     | Automatic Leveling  |
| Layer Thickness              | 0.15-0.3mm  |
| Max Travel Speed             | XY: Max. 400mm/s Z: Max. 50mm/s   |
| Printing Nozzles             | 2 Printing Nozzles Without Scratching   |
| Extruder Temperature         | Max. 500°C/932°F  |
| Chamber Temperature          | Max. 300°C/572°F  |
| Filament Chamber Temperature | Max 50°C/122°F, with dry compressed air (external air compressor is required).  |
| Input File Type              | STL/OBJ   |
| Filament Diameter            | 1.75mm  |
| 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/Liquid Cooling System & Vacuum Absorption Platform/Over Heat Protection/Auto-Switch Materials |
| Safety Certification         | FCC/CE  |
| Connectivity                 | WiFi/Internet/USB   |
| Supported Materials*         | PEEK/PEEK-CF/PEEK-GF/PEKK/ULTEM™ (PEI)/PPSU/PC-HT/PC/PC Alloys/PA-HT/PA/PA-CF/ASA/ABS/HIPS/Carbon Fiber-Filled/GlassFiber-Filled/ESD-Safe, etc.                   |

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

# FUNMAT PRO 410

## Smart Industrial Level 3D Printer

### Smarter Design

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

### Advanced Thermal Design

Heated Chamber & Filament Box, Liquid Cooling System,  
500°C (932°F) Nozzles Temperature

### Industrial-Grade Configuration

Industrial Grade Components for High Precision and High  
Quality Printing



## Technical Parameters

|                              |   |
|------------------------------|---|
| Model                        | FUNMAT PRO 410  |
| Printing Technology          | Fused Filament Fabrication (FFF)  |
| Machine Size                 | 728×684×1480mm (28.7×26.9×58.3in)   |
| 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. 300mm/s  |
| Printing Nozzles             | 2 Printing Nozzles Without Scratching, Able to Move up and Down   |
| Extruder Temperature         | Max. 500°C/932°F  |
| 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: 16µm Z: 1.6µm   |
| Smart Monitor & Control      | Filament Jam Warning/Filament Absence Warning/Power Failure Recovery/<br>Liquid Cooling System/Auto-Cleaning Nozzles/Over Heat Protection         |
| Safety Certification         | FCC/SGS/CE  |
| Connectivity                 | WiFi/Internet/USB   |
| Supported Materials*         | PEEK/PEEK-CF/ PEEK-GF/PEKK/ULTEM™ (PEI)/PC/PC Alloys/PA/PA-CF/ASA/<br>ABS/HIPS/PETG/PLA/PVA/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

# FUNMAT HT

## Entry Level Desktop Industrial 3D Printer



### Advanced Thermal Design

Heated Chamber Up to 90°C (194°F),  
Hotend Up to 450°C (842°F)



### 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)   |
| 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/ULTEM™ (PEI)*/PPSU*/PC/PC Alloys/PA/<br>PA-CF/ASA/ABS/HIPS/TPU/PETG/PLA/Carbon Fiber-Filled/Glass Fiber-Filled/<br>ESD-Safe, etc. |

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






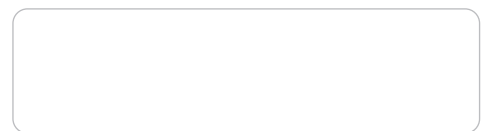
# NOTES





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