INTAMSYS

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!
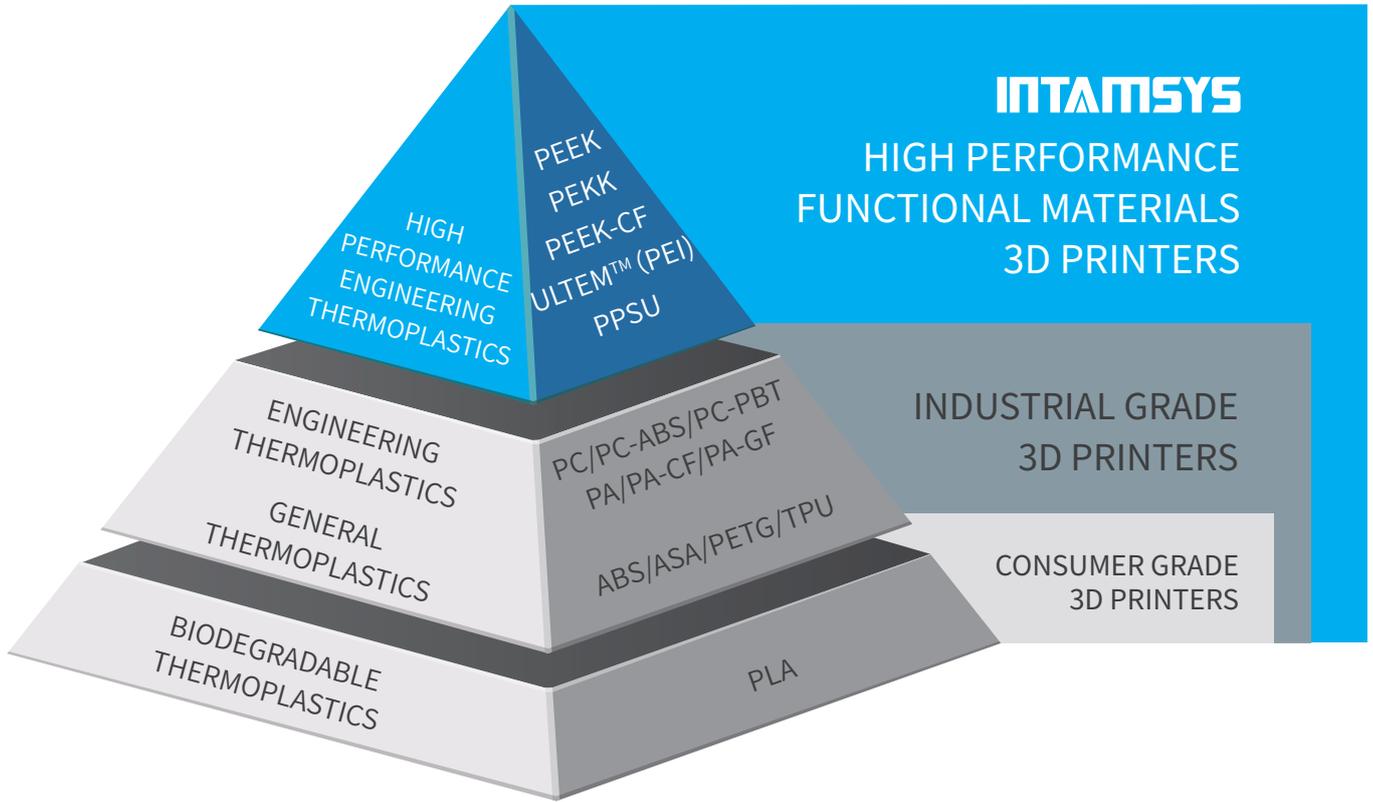
Defining the right process

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!
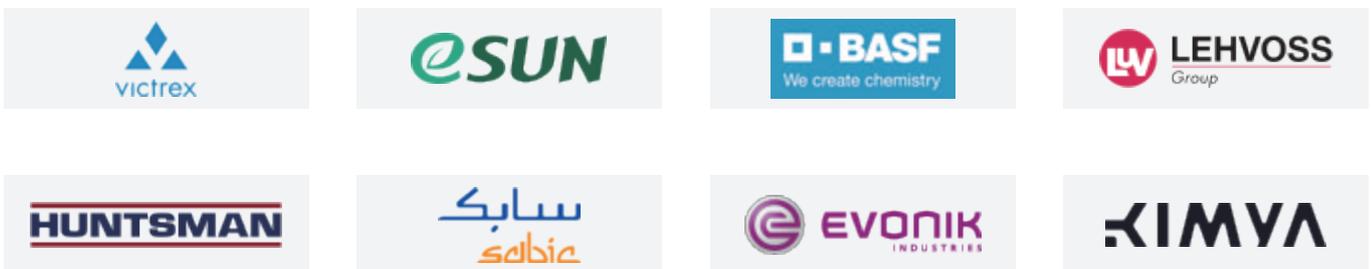
INTAMSYS High Performance 3D Printing Solutions

PEEK
PEKK
PEEK-CF
ULTEM™ (PEI)
PPSU

HIGH PERFORMANCE ENGINEERING THERMOPLASTICS

ENGINEERING THERMOPLASTICS

GENERAL THERMOPLASTICS

BIODEGRADABLE THERMOPLASTICS

PC/PC-ABS/PC-PBT
PA/PA-CF/PA-GF

ABS/ASA/PETG/TPU

PLA

INTAMSYS
HIGH PERFORMANCE FUNCTIONAL MATERIALS 3D PRINTERS

INDUSTRIAL GRADE 3D PRINTERS

CONSUMER GRADE 3D PRINTERS

Customers

JABIL

=TE connectivity

北京大学 PEKING UNIVERSITY

中国航发 AECC

SIEMENS

KUKA

中国航天 CASC

中航工业 AVIC

Filament Manufacturers

victrex

eSUN

BASF We create chemistry

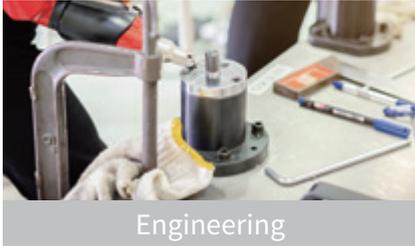LEHVOSS Group

HUNTSMAN

sabic

EVONIK INDUSTRIES

KIMYA

Applications

Aerospace & Aviation

Automotive

Healthcare

Engineering

Scientific Research

Power & Energy

Global Sales & Support Networks

Minneapolis

Stuttgart

Shanghai

★ 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 610HT

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 610HT
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	0.1-0.5mm
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/.X3d/.3mf
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/Ethernet/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 & Sealed and Dehumidified 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 Box	2 Spools, overall sealed design with molecular sieve dehumidification, built-in temp. and hum. monitoring sensor.
Input File Type	.Stl/.Obj/.X3d/.3mf
Filament Diameter	1.75mm
Position Resolution	XY: 16µm Z: 1.6µm
Smart Monitor & Control	Filament Jam Warning/Filament Absence Warning/Power Failure Recovery/ Liquid Cooling System/Auto-Cleaning Nozzles/Over Heat Protection
Safety Certification	FCC/SGS/CE
Connectivity	WiFi/Ethernet/USB
Supported Materials*	PEEK/PEEK-CF/ PEEK-GF/PEKK/PC/PC Alloys/PA/PA-CF/ASA/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),
Nozzle Temperature up to 450°C (842°F)

Smarter Design

Automatic Leveling, Filament Absence Warning

Over 20 Functional Materials

Ability to Print PEEK/PEKK/PC/PA/PA-CF/ABS/ASA
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/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

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