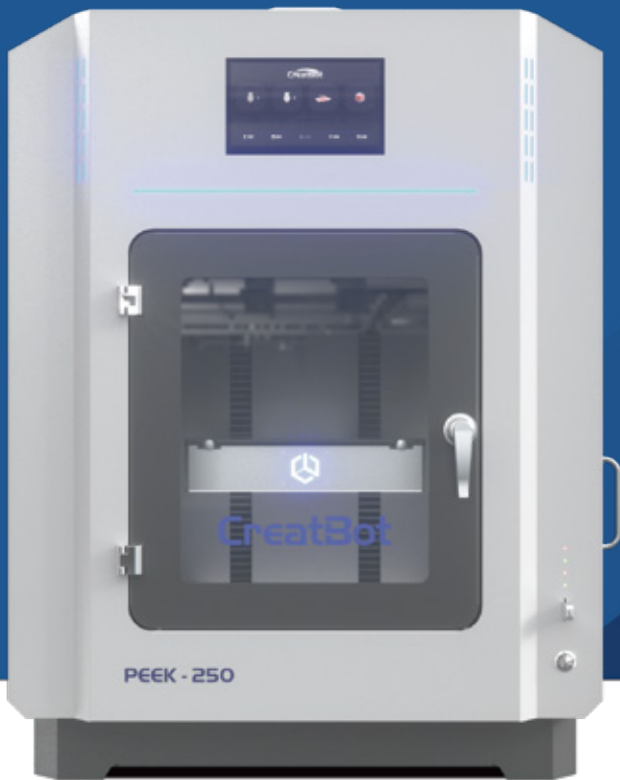


king of cost performance

High Temperature Polymer

3D printer



PEEK-250



PEEK-300



FILAMENT CREATBOT

Engineering grade

ABS	ABS-CF
UltraPA	PET-CF
ASA	PET-GF
UltraPA-CF	ABS-PC
UltraPA-GF	
PVDF	

High temperature grade

PEEK
PEKK
PEEK-CF
PEEK-GF
PEI 1010
PEI 9085



Direct Annealing System

Direct Annealing System (DAS), the world's first and extraordinary technology by CreatBot. Annealing process is instant controllable during printing. It aims to provide best quality parts in one time without warping and cracking printing of big size functional materials. (The technology is patent protected and available by CreatBot only)

Desktop price, industrial performance



Extruders 480 °C

This series of products is equipped with an extruder with a nozzle temperature of 480°C, which can print almost any 3D printing filament and is the best choice for polymer materials.



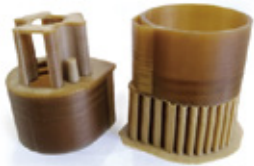
Hotbed 200 °C

This series of products are equipped with a hot bed with a temperature of 200°C, which is a guarantee that polymer materials such as PEEK and PEI will not warp.



Hot Chamber 200°C

The new PEEK-250 equipment is equipped with a cavity temperature of up to 200°C, which can perfectly print PEEK, PEI (ULTEM) and other materials. especially for PEI (ULTEM) materials, perfect molding can only be achieved when the cavity temperature is above 180°C



Before Annealing



After Annealing



Before Annealing



After Annealing



controlled thermal coagulation technology



Infrared thermal radiation patented technology





Patented interlayer adhesion technology



Instant annealing technology patented technology



PEI Divergent Pipeline
Material : ULTEM 1010
Time : 53 hours
Extruder : 380°C
Hotbed : 200°C
Hot Chamber : 180°C

		PEEK-250	PEEK-300
			
Printing	Build Volume	250*250*300 mm	Single Extrusion: 300*300*400 mm Dual Extrusion: 240*300*400 mm
	Filament Diameter	1.75mm	1.75mm
	Number of Nozzles	Single Extruder	Dual Extruder
	Nozzle Diameter	0.4mm (0.3~1.0mm optional)	0.4mm (0.3~1.0mm optional)
	Filament Compatibility	Engineering Plastics PLA, ABS, ASA, PC, Nylon, PETG, PVDF, Carbon Fiber High temperature Material UltraPA, UltraPA-GF, UltraPA-CF, PPSU, PET-CF, etc. Ultra-performance material PEEK, PEKK, PEEK-CF, PEEK-GF, PEI(ULTEM™ Full line)	Engineering Plastics PLA, ABS, ASA, PC, Nylon, PETG, PVDF, Carbon Fiber High temperature Material UltraPA, UltraPA-GF, UltraPA-CF, PPSU, PET-CF, etc. Ultra-performance material PEEK, PEKK, PEEK-CF, PEEK-GF, PEI(ULTEM™ Part series)
Temperature	Nozzle Max. Temperature	480℃	480℃
	Platform Max. Temperature	200℃	200℃
	Chamber Temperature	200℃	120℃
	Direct Annealing Temperature	/	0~400℃
Speed	Best Printing speed	100 mm/s	55 mm/s
	Max. Printing speed	250 mm/s	180 mm/s
Electrical	Input Power	200V~240V, 20A	200V~240V, 20A
	Rated Power	2500W	4600W
	Print Method	USB Connectivity/USB Disk	USB Connectivity/USB Disk
Software	Software	Creatware, Simplify3D, Cura, Slic3r	Creatware, Simplify3D, Cura, Slic3r
	Operating Systems	Windows all macOS	Windows all macOS
	Print File Type	STL,G-CODE	STL,G-CODE
Special Function	Outage Restored	Save data when power is off	Save data when power is off
	Filament Detection	Pause printing when filament run out	Pause printing when filament run out
	Special feature	Three layers of cavity insulation. When the cavity temperature exceeds 180℃, the outer surface temperature of the chassis is only 36℃ for safety protection.	Direct Annealing System (DAS) Intelligent orientation controls the high-temperature materials to be instantly annealed or semi-annealed during the printing process to achieve the required hardness and toughness. With the dual cold water system, high-quality printing of complex, large-scale PEEK and other high-performance materials can be achieved.
	Camera	Yes	No
	WIFI / LAN	Yes	No
	Head movement isolation	Yes	No
	High temperature accessories	The whole machine is equipped with high-temperature motors , belts, guide rails, and circuits to ensure long-term high-temperature printing	The whole machine is equipped with high-temperature motors , belts, guide rails, and circuits to ensure long-term high-temperature printing
Mechanical	Cooling	Air pump cooling & water cooling	Air pump cooling & water cooling
	Platform	PCB aluminum + PEEK print board	PCB aluminum + PEEK print board
	Positioning Precision	X Y axis 0.0127mm, Z axis 0.00125mm	X Y axis 0.0127mm, Z axis 0.00125mm
	Extruder	Directly Drive	Directly Drive
	Machine Construction	Fully enclosed hot chamber	Fully enclosed hot chamber
	Bed Leveling	Manually/Automatic	Manually/Automatic
Size & Weight	Machine Size	630*555*815mm	720*700*942mm
	N.W	100kg	120kg



LinkedIn



Youtube



Facebook

Henan CreatBot Technology Limited

Website: www.creatbot.com

Email: sales@creatbot.com

Address: Address: No.150 Lamei Road,
Zhongyuan District,
Zhengzhou 450000, China

