

PIOCREAT

Pellet 3D Printing Solution

Pellet 3D printer + Pellet material + Dryer

FGF 3D printing is the next evolution in 3D printing technology. These direct-drive pellet extrusion-based printers can print using virgin or recycled pellets, flakes, or regrind materials, bringing us closer to the dream of a circular economy.

- Pellet 3D Printer



- Dryer



- Various composite materials

G5Ultra

Desktop industrial grade FGF 3D printer,



Print Size

500*500*400mm

Machine Size

765*890*1040mm

N.W.

38.5KG

Package Size

845*990*510mm

G.W.

63KG



High-speed and high-precision printing

Break the speed limitation, max travel speed 100/s



Rapid heating of hot bed

Reduce the heating time, G5Ultra takes only 2 minutes to heat the hotbed up to 60°C



Screw extruder design

Self-develop screw extrusion system, max nozzle temperature 400°C



Spring steel magnetic attraction platform

Detachable magnetic platform, easy to take off the molds by bending slightly



Multi-pellet printing

Excellent materials adaptability, materials reusable



Free dye printing

Color could be changed easily by adding color master batches anytime during printing process

Molding Tech	FGF
Printing Filament	PLA/PETG/PETG+10%GF/ABS/PA6/PS/GPPS/PP/PP+30%GF/TPE/TPV/TPU/15-5PH PA-CF, PC-CF, PA-GF, ABS-CF, PLA-CF, ASA, and other composite materials
Hotbed Temp	≤120°C
Nozzle Temperature	≤400°C
File Transfer	USB/WIFI
Languages	Chinese/English
Layer Thickness	0.2~1.0mm
Operation System	Piocreat Slicer, Windows XP/7/8/10 MAC/Linux
Power Supply	AC100-240V 50/60Hz
Rated Power	1450W

G12

www.piocreat3d.com

Large scale industrial grade FGF 3D printer



Print Size

1200*1000*1000mm

Machine Size

2135*1775*2305mm

N.W.

750KG

Package Size

1960*1760*2140mm

G.W.

1000KG

Production-level print quality

Dedicated, professional and production-level printer, more stable performance, production grade printed parts



BL touch auto-leveling

Intelligent induction leveling
Print without warping, to save time and labour



Larger print space

Printing Size: 1200X1000X1000mm
Meet various needs of creative design



Screw extruder design

Powerful and uniform extruding force to fully melt and plasticize materials, extruding continuously and stably



Multi-language interaction

English, Chinese, German, Spanish, French, Italian, Japanese, Portugal



Multi-pellet printing

Excellent materials adaptability, materials reusable



Molding Tech	FGF
Printing Filament	PLA/PETG/ABS/PC/TPU/PVC/PC+ABS/PETG+GF/PP+GF/PA+GF/ABS+CF/PC+CF/TPE/PLA+CF/PA+CF and other composite materials
Hotbed Temp	≤150°C
Nozzle Temperature	≤450°C
File Transfer	USB/WIFI
Languages	English/简体中文/Deutsch/Español/Français/Italiano/日本語/Portugal
Layer Thickness	0.2~2.0mm
Operation System	Piocreat Slicer, Windows/7/8/10 MAC/Linux_x64
Power Supply	AC220V
Rated Power	7000W

G40

Large capacity additive and subtractive processing center

- *Printing services as available for large-scale models*
- *Providing material testing services*

Print Size

3725*2500*1330mm

Processing Size

3400*2500*1330mm

Machine Size

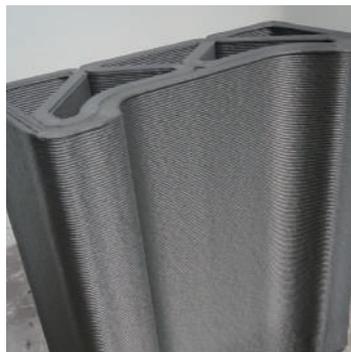
5962*4220*4800mm

N.W.

15000KG

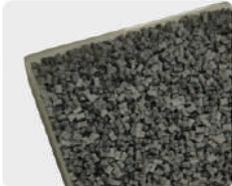
G.W.

16000KG



Pellets

A variety of pellet consumables

 <p>PLA(High carbon content) Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p> 	 <p>PLA(White) Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p> 
 <p>PETG Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p> 	 <p>PETG+10%GF 10% glass fiber reinforced PETG, better printing performance, suitable for indoor decoration, creative furniture, etc.</p> 
 <p>PC+CF Carbon fiber reinforced PC, excellent high thermal resistance, mechanical performance, suitable for industrial functional parts and mold making below 110°C, etc.</p> 	 <p>ABS With excellent mechanical properties and dimensional stability, it can be used to make molds.</p> 
 <p>TPU Both flexibility and elasticity. Suitable for rehabilitation aids and rubber-like products.</p> 	 <p>PA+20%GF 20% GF reinforced PA6, high thermal resistance and mechanical strength, suitable for functional parts.</p> 
 <p>PP Glass fiber reinforced PP, excellent mechanical performance, suitable for various industries.</p> 	 <p>GPPS It is used to make various disposable containers with 100°C temperature resistance, and disposable lunch boxes, etc.</p> 
 <p>TPE A new type of polymer material between rubber and resin, often called the third generation of rubber.</p> 	 <p>PET+CC(calcium carbonate) Widely used in packaging industry, electronic appliances, medical and health care, construction, automobile and other fields.</p> 
 <p>ABS+CF Ease to print, excellent strength & stiffness, dimensional stability, and an amazing surface finish.</p> 	<p>For more material applications, please consult...</p> <p>MORE</p>



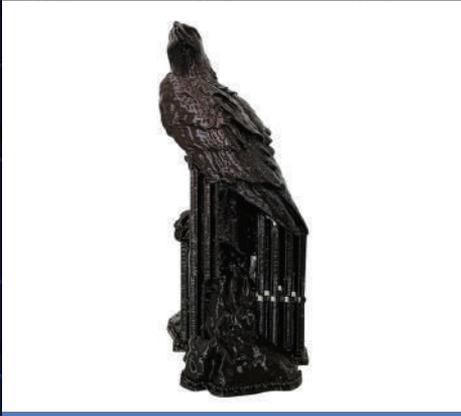
Mold



Fixture



Lampshade



Sculpture



Household Daily Use



Sofa



Medical Equipment



Industrial Parts



Fabric



Auto Parts



Ship Parts



Aluminum Alloy Model



Research Teaching Aids

FGF pellet 3D printer applicable aspects in industry

Industrial parts (models of parts used in production equipment)

Lamp manufacturing (shades can be made from a variety of materials)

Garden Landscape (Large Landscape Decoration)

Medical (some medical medical simulators used or contacted in medicine)

Scientific teaching aids (models used to explain something)

Mold (Mold is made for mass production)

Household daily use (home life model)

Sculpture (animal sculpture, figure sculpture, etc.)

Footwear (usually refers to molds for sports shoes and beach shoes, slippers, rubber shoes and other footwear, mainly sports shoes)

Model (Imitate the original shape of the real object and shrink the sample. It is usually used for display or experiment.)

Industrial tools (industrial models, industrial equipment models, etc.)

Aerospace/automobile/ship (for aerospace vehicle/automobile/ship shape production)

Wind power (for wind power generation model printing)

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Soles



Bridge



Tyre



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