G5 ULTRA

New experience of industrial-grade FGF 3D printing

Green innovation smart future

500 x 500 x 400mm

Compatible with
a variety of composite materials

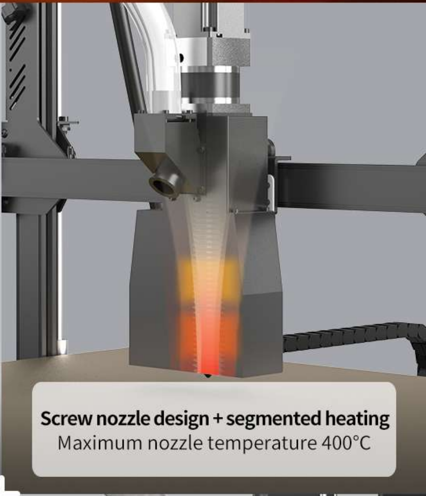
≤400°C
Nozzle segmented heating

260mm/s
Max. print speed

≤120°C
Rapid heating of hotbed
PIOCREAT

400mm
500mm
500mm

FGF Pellet 3D Printer
print size: 500x500x400mm

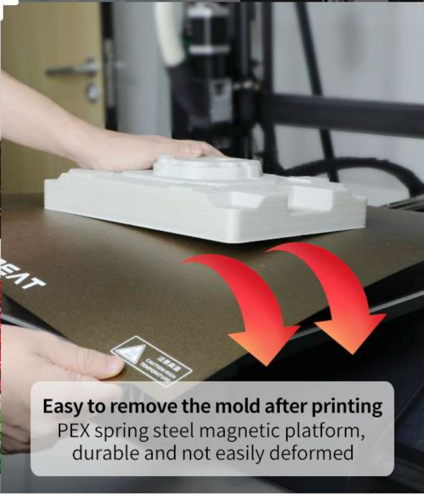


Screw nozzle design + segmented heating
Maximum nozzle temperature 400°C

Remaining material visualization
With viewing window and scale
Hopper 3000ml extra large capacity

Quick discharge port design
Easy to change materials and
quickly clean up the remaining materials

Material variety
Compatible with a variety of
composite materials

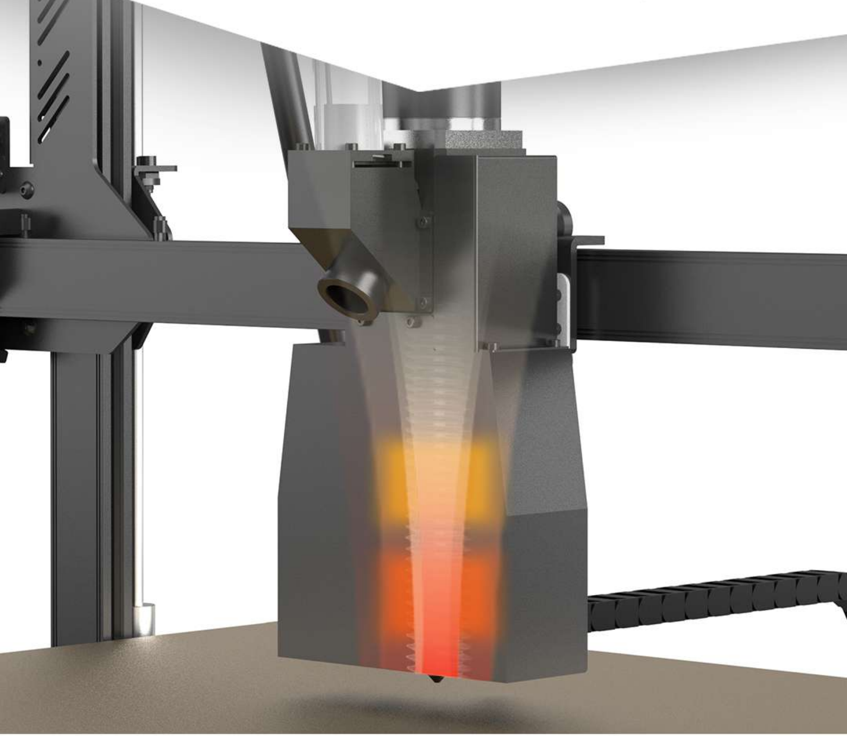


Easy to remove the mold after printing
PEX spring steel magnetic platform,
durable and not easily deformed

New generation nozzle printing components

The nozzle is segmented to heat the material, and the printing effect is better

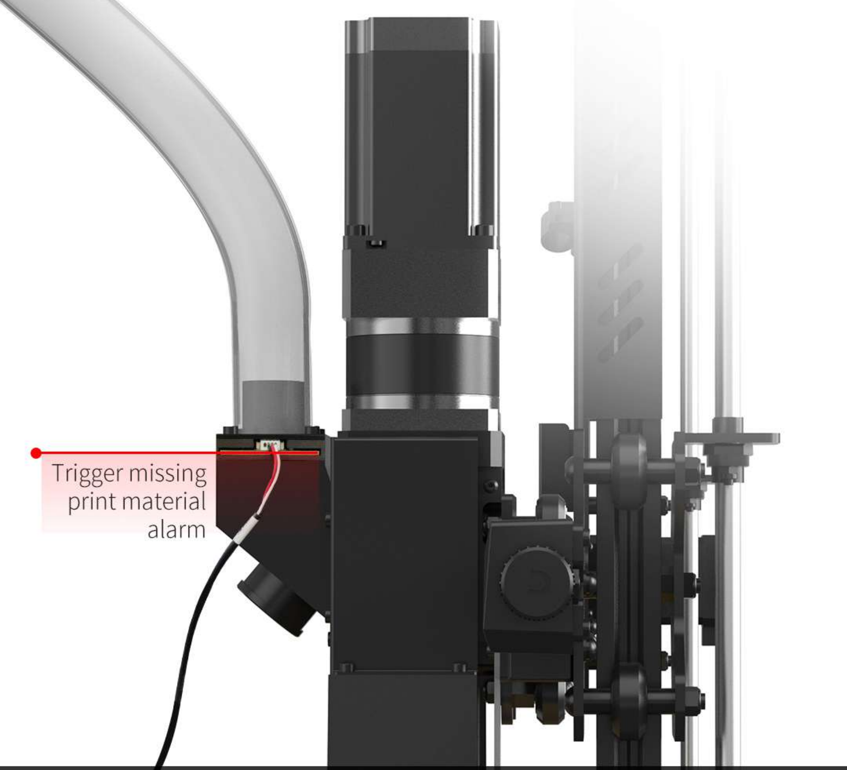
Self-developed new generation screw extrusion nozzle design, the maximum nozzle temperature is 400 °C, the extrusion force is strong, and the 0.4-3.0mm diameter nozzle is flexibly selected for fast and stable printing.



Material level sensor

Missing print material alarm

Double guarantee: It has a material missing alarm function and supports continuous printing when the material is interrupted. The printing record is automatically stored after the material is interrupted, and printing can continue after replenishing the printing materials.



*Please replenish printing materials in time to avoid printing failure

Support WIFI function

Achieve the freedom of printing

Supports remote control of equipment within the LAN
and real-time monitoring of printing status.
Printing jobs are no longer limited by distance.

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PIOCREAT

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printing with sheared recycle plactics

Work directly with the original materials,
which will keep all their properties intact;
Printing with virgin or recycled pellets, flakes or regrind materials
brings us closer to the dream of a circular economy.

Application Field

Model case

MATERIAL TESTING

MOLD

INDUSTRIAL PARTS

HOUSEWARES

CRAFT SUPPLIES

FOOTWEAR INDUSTRY

Product Parameters

G5Ultra pelllet 3D printer

Molding technology	FGF Fused Granules Fabrication
Print size	500 x 500 x 400mm
Machine size	765 x 890 x 1040mm
Hopper capacity	3000ml
Discharging mechanism	Screw extruder
Number of nozzles	Single nozzle
Voltage	AC100-240V 50/60Hz
Rated power	1450W
Particle diameter	2-5mm
Nozzle temperature	⩽400°C
Heating bed temperature	⩽120°C
Maximum speed	260mm/s
File format	STL、OBJ、AMF
Transfer method	U disk / WIFI printing

Slicing software	Piocreat Slicer/Cura/Simplify3D
Print layer thickness	0.2-1.0mm
Nozzle diameter	0.4-2.0mm (optional 3.0mm) Standard: 0.8mm / 1.0mm / 2.0mm
Printing materials	PLA/PETG/PETG-GF/ABS/PA6/PS/GPPS/PP/PP-GF/Piocreat TPE/TPV/TPU/PLA-CF/ABS-CF/PC-CF/PA-CF/15-5PH...