INDUSTRIAL GRADE PELLET 3D PRINTER

G12

LARGER SIZE
BETTER CONFIGURATION
STRONGER QUALITY

Parts Manufacturing, Mold Designing
Scientific Research tools, Sculpture making

High-speed and
high-precision printing

Chamber
Temperature Control

Screw nozzle design

BL Touch Auto- leveling

Multi-pellet printing

Super Large Format

Compatible with multiple materials

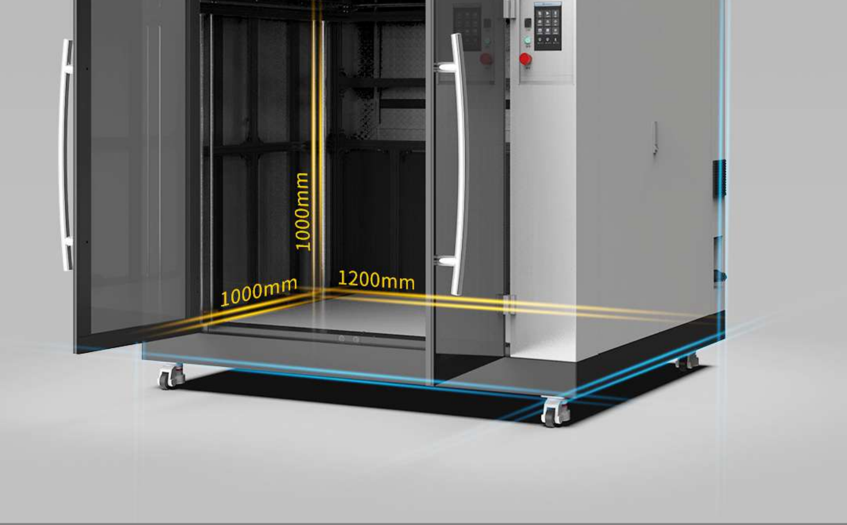
Compatiable various pellets material

It is suitable for printing on traditional commercial thermoplastic pellet materials and special mixtures materials, and supports metal and ceramic pellet materials with lower cost

Super Large Format

Printing size 1200x1000x1000mm

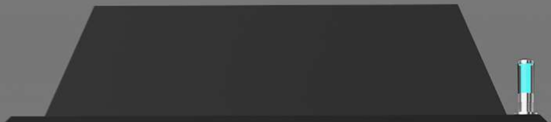
Can meet the demands of printing large scale industrial parts and the end products.

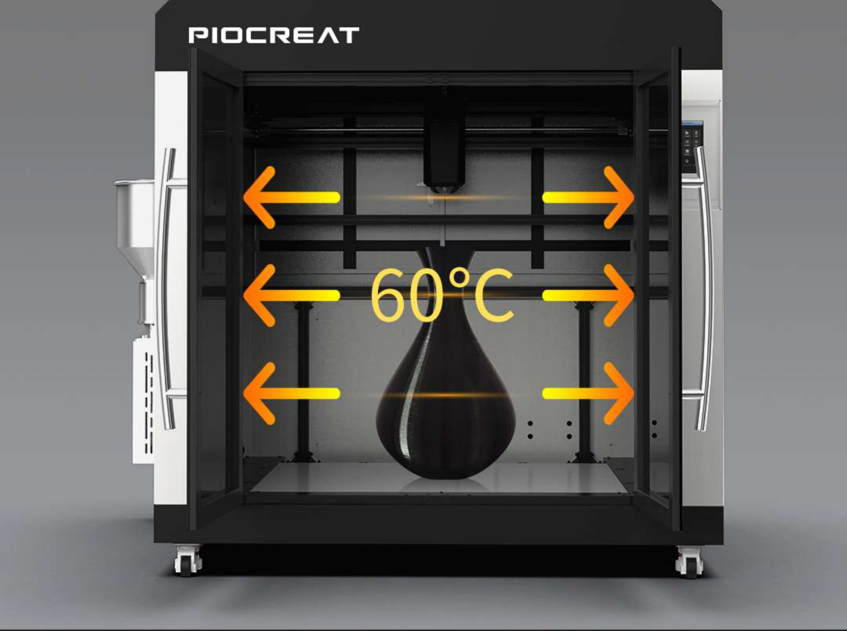


Chamber Temperature Control

60°C chamber temperature environment

Stable structure, reduced vibration,
60°C chamber temperature environment,
better printing and forming effect,
and enhanced toughness of printed parts.

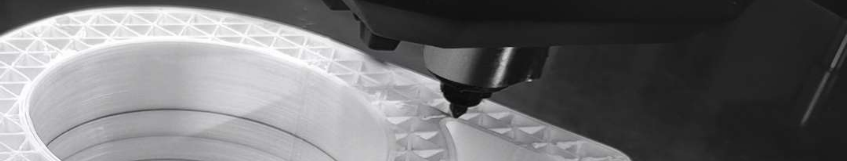


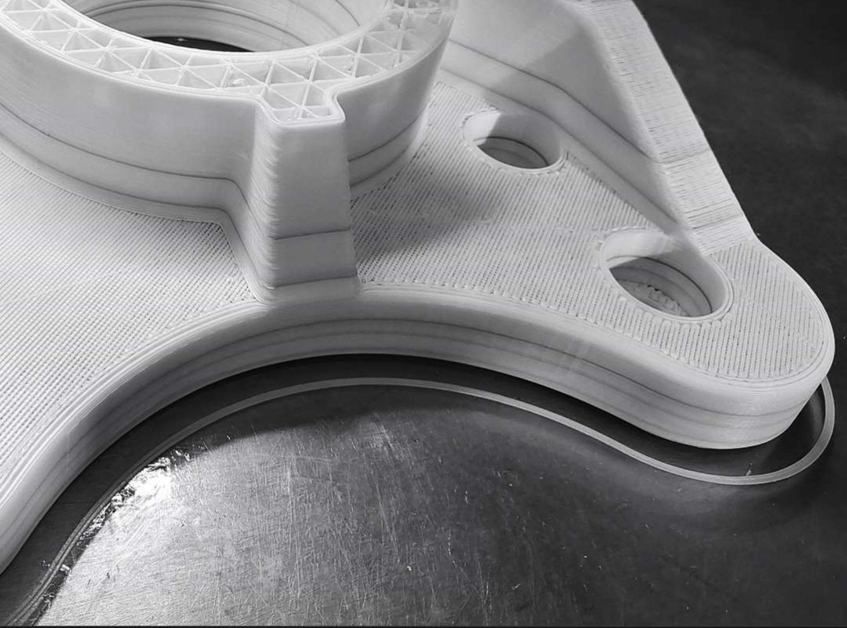


Production-level print quality

Dedicated, professional, production-level

According to the needs of industry users,
select corresponding materials and print the industrial
parts which is similar with injection molding.

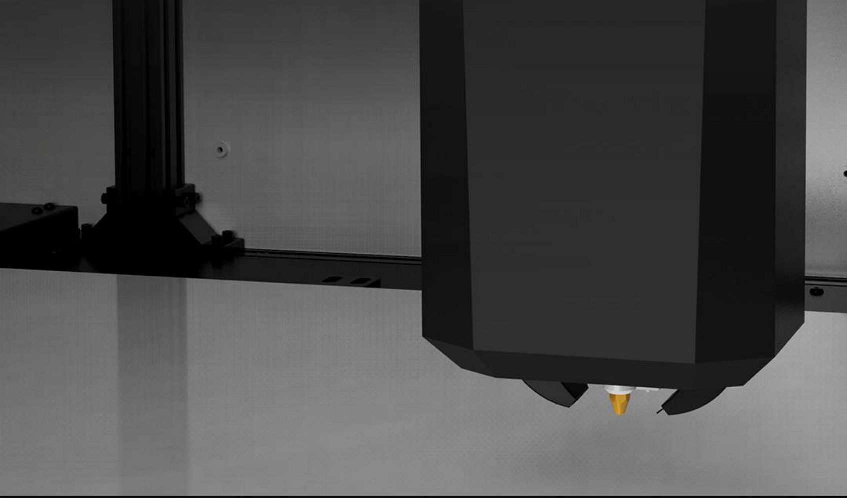




Screw nozzle

Self developed screw nozzle design

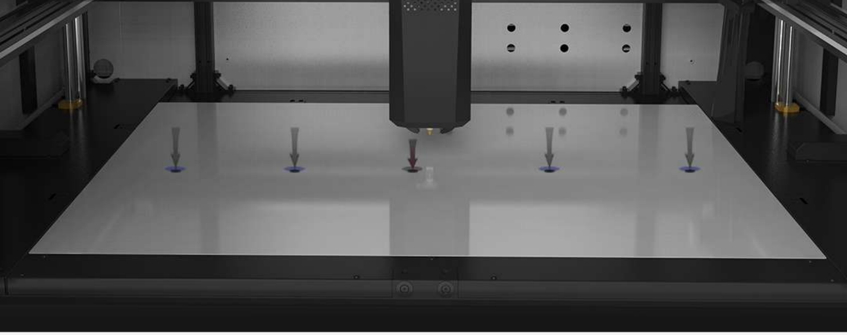
Self developed screw nozzle design ,
with diameter 0.6-6mm,Max Temperature 450°C,
Consumables melt thoroughly and squeeze out smoothly.



Auto Smart Leveling

Multi-point auto leveling system

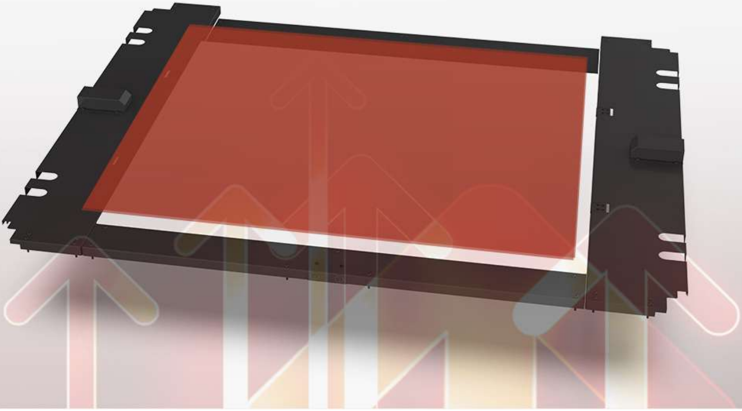
Multi-point auto leveling system
to ensure it does not warp when printing,
and the printing forming rate up to 99%.



Rapid Heating Platform

Excellent and stable heating platform

Silicon Heating Design,Heating up quickly,
Reduce waiting time for printing, Convenient printing;
The power density per square is **0.48W/cm**;
it is heated to **150℃** and air-fired for **5-8 minutes**.



Application Field

Used in many fields

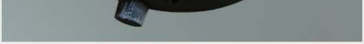
× MOLD MANUFACTURING ×

ZIRCONIA

×

ALUMINA

×



INDUSTRIAL PARTS

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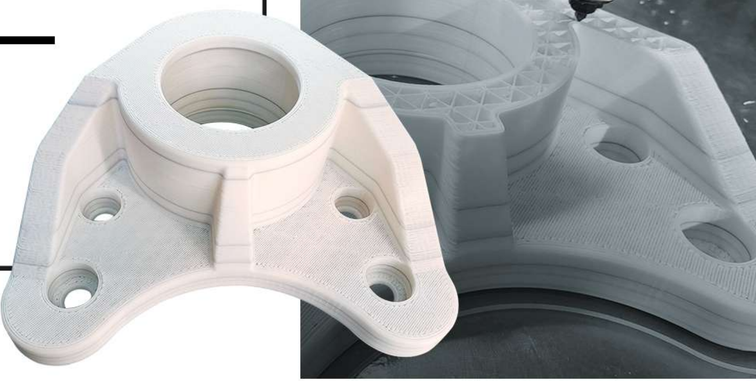
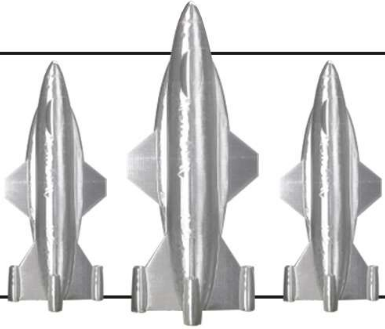


LAMP MANUFACTURING

SCIENTIFIC RESEARCH TEACHING AIDS



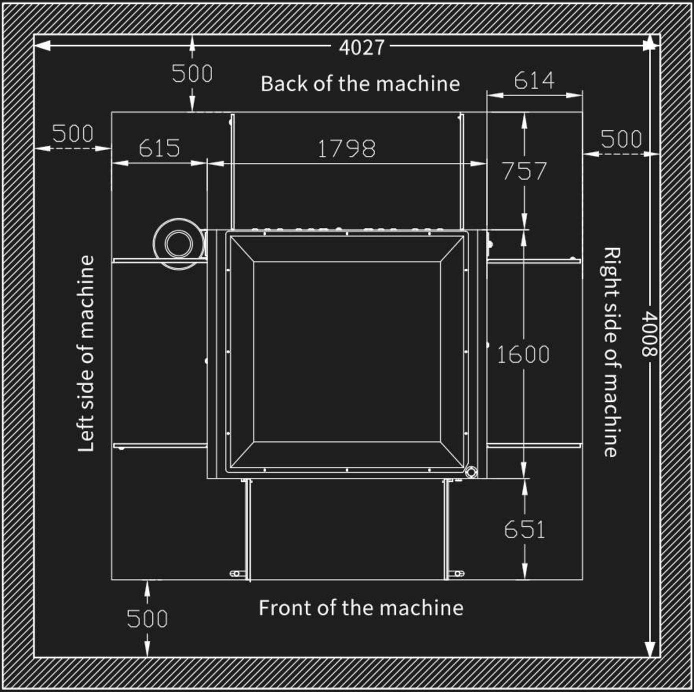
SCULPTURE MAKING

Product Parameters

G12 pellet 3D printer

Technical	FGF Fused Granulate Fabrication

Printing Size	1200 x 1000 x 1000mm
Machine Size	2135 x 1775 x 2305mm
Feeding structure	Screw Rod Extrusion
Nozzle	Single Nozzle
Nozzle Diameter	0.6~6mm
Printing Layer	0.2~1.5mm
Hotbed Tempature	⩽150°C
Power Voltage	AC220V
Rated Power	7000W
Particles Diameter	2~5mm
Printing Material	PLA/ PETG/ PVC/ ABS/ PC/ PA/ HDPE/ TPU/ EVA PC+ABS; PA+Fiber;WPC;MQP-S+PA12; EVA based foam board
Nozzle Tempature	⩽450°C
Slicer software	Piocreat_Slicer
Printing speed	80~100mm/s
Files Format	STL/ OBJ/ AMF

G12 Minimum installation size