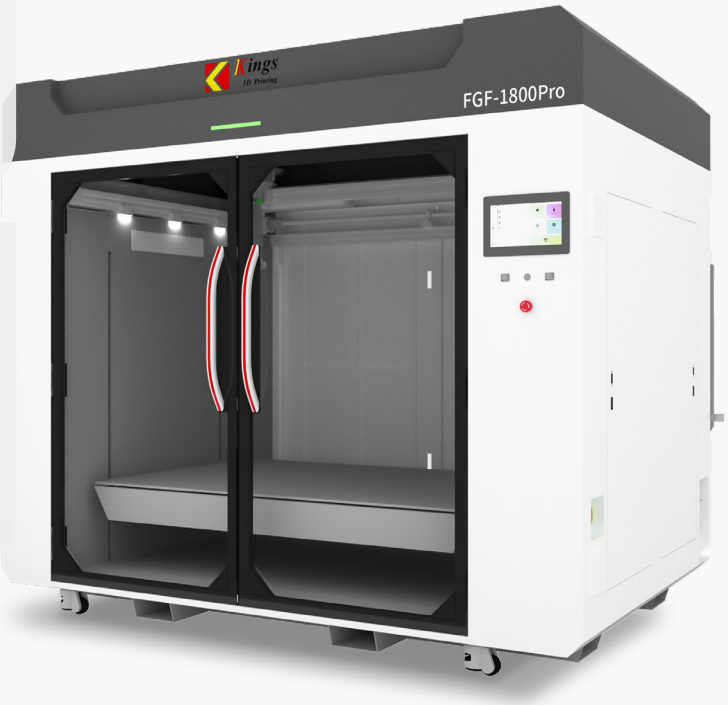
Kings 3D Printing

FGF-1800PRO

Kings Industrial FGF 3D Printers

Large Format, High Speed, and Pellets Printing Material



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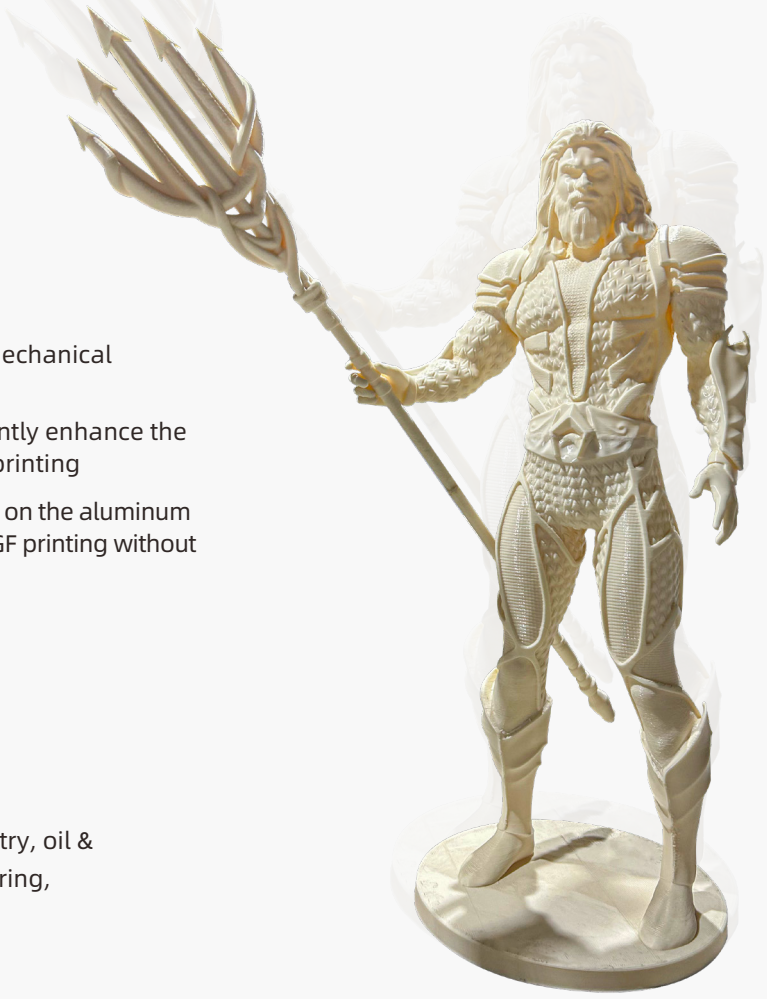
◆ Overview

Kings FGF-1800Pro uses granular and polymer composite materials for printing, which has the advantages of low material cost, fast printing speed and forming speed, high strength, and outdoor weather resistance.
It is widely used for sculpture making, furniture designing, mining industry, oil & gas industry, toy industry, art crafts, mold manufacturing, plaques, landscape signs etc.

◆ Advantage

- Automatic feeding system
- Self-developed CNC control system
- Continuation of printing after the power off
- Using 18-bit high-precision servo motors with the mechanical accuracy of 0.01mm
- The sealed dust-proof precision module to significantly enhance the lifespan of the components and the stability of the printing
- Supporting the use of composite materials as the base on the aluminum alloy printing platform, and achieving ABS and PETG+GF printing without heat bed heating



◆ Ideal Applications

- It is widely used for furniture designing, mining industry, oil & gas industry, toy industry, art crafts, mold manufacturing, plaques, landscape signs etc.

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◆ Technical Data

Molding technology	Fused granular fabrication
Molding dimensions	(L*W*H) 1800*1200*1100mm
Machine dimensions	(L*W*H) 2650*2000*2300mm
Optional nozzle diameter	1-8mm
Nozzle heating method	Three-zone intelligent heating
Storage hopper volume	50kg
Drive mode	Servo motor
Rated power	3-5kW
Machine weight	1300kg
Working surface temperature	≤120 degrees Celsius
Printing Bed	Aluminum，Composite Plastic，Glass
The maximum temperature of the nozzle	≤350 degrees Celsius (450 degrees Celsius is optional)
Printing connection method	SD/USB/WiFi
Slicing supported formats	STL/OBJ/AMF/3MF
Compressed air pressure	0.6MPA
Materials	PLA/PETG/ABS/PC/PA/PP/HDPE/TPU/TPV/EVA/PETG+GF/PPS+GF/ PA+CF/ABS+CF/PC+CF/PEI+CF etc.
Material particle diameter	1-5mm
Automatic feeder	Integrated
Power supply voltage	Single-phase AC 220V

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