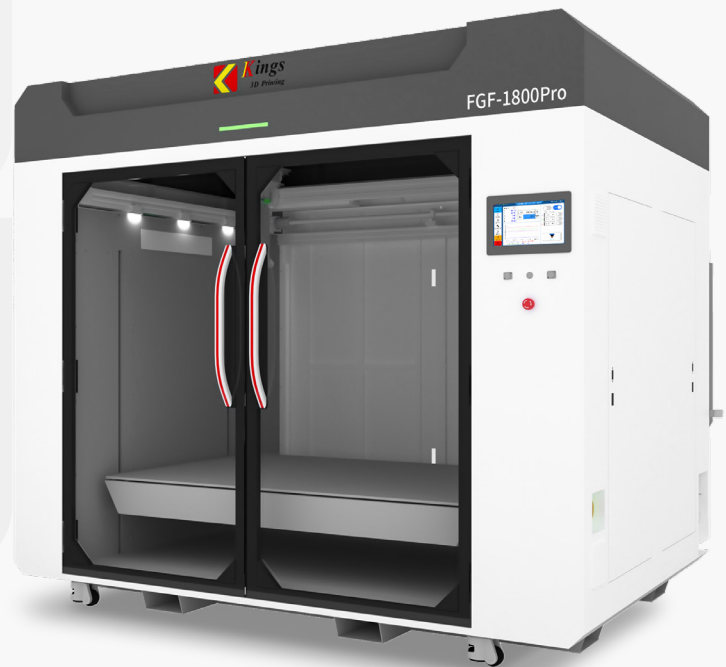


FGF-1800PRO

Kings Industrial FGF 3D Printers

Large Format, High Speed, Low Material Cost



FGF-1800PRO

Kings

◆ Overview

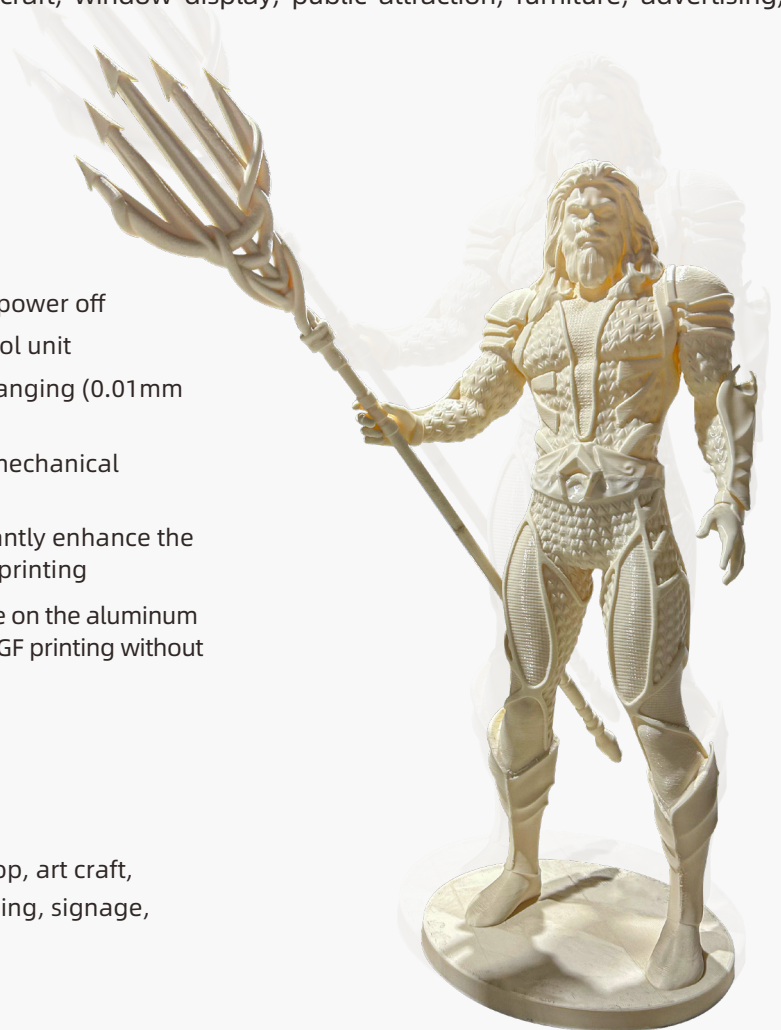
Kings FGF-1800Pro is a large-format granular 3D printer with advantages of fast printing speed (max 15kg per hour) and large printing size. It uses granular and polymer composite materials for printing, which features great mechanical properties and strong durability, excellent cost-effectiveness and environmental friendliness. It is widely used for sculpture, theme park, movie prop, art craft, window display, public attraction, furniture, advertising, signage, mining, oil & gas and molding industries.

◆ Advantage

- Automatic feeding system
- Self-developed CNC control system
- Continuation of printing after the resumption from power off
- Built-in water-cooled circulating temperature control unit
- Automatic leveling system with non-contact laser ranging (0.01mm accuracy)
- 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 printing bed heating

◆ Ideal Applications

- It is widely used for sculpture, theme park, movie prop, art craft, window display, public attraction, furniture, advertising, signage, mining, oil & gas and molding industries.



◆ Technical Data

Molding technology	Fused granular fabrication
Molding dimensions	(L*W*H) 1800*1200*1100mm
Machine dimensions	(L*W*H) 2650*2030*2320mm
Optional nozzle diameter	1-8mm
Nozzle heating method	Three-zone intelligent heating
Storage hopper volume	50kg
Drive mode	Servo motor
Rated power	13.8kW
Average power	3.45kW
Machine weight	1300kg
Working surface temperature	≤120 degrees celsius
Printing bed	Aluminum platform
The maximum temperature of the nozzle	≤350 degrees celsius (450 degrees celsius is optional)
Printing connection method	SD/USB/Wi-Fi
Slicing supported formats	STL/OBJ/AMF/3MF/STP/STEP
Compressed air pressure	0.6MPa
Material particle diameter	1-5mm
Automatic feeder	Integrated
Power supply voltage	Single-phase AC 220V±10%
Rated current	62.7A
Frequency	50/60Hz
Displacement	200 liters/minute
Granular dryer	100kg tank, 6kW, 2.5kW, Three-phase AC 380V±7%, 12A, 50/60Hz, 0.6MPa, 200liters/minute
Materials	ABS/ABS Fire Retardant/ABS+GF/ABS+CF/PETG/PETG Fire Retardant/PETG+GF/PLA/ASA/ASA+GF/TPU/PC/PA/PP/PA+CF/PC+CF/PEI+CF etc.



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