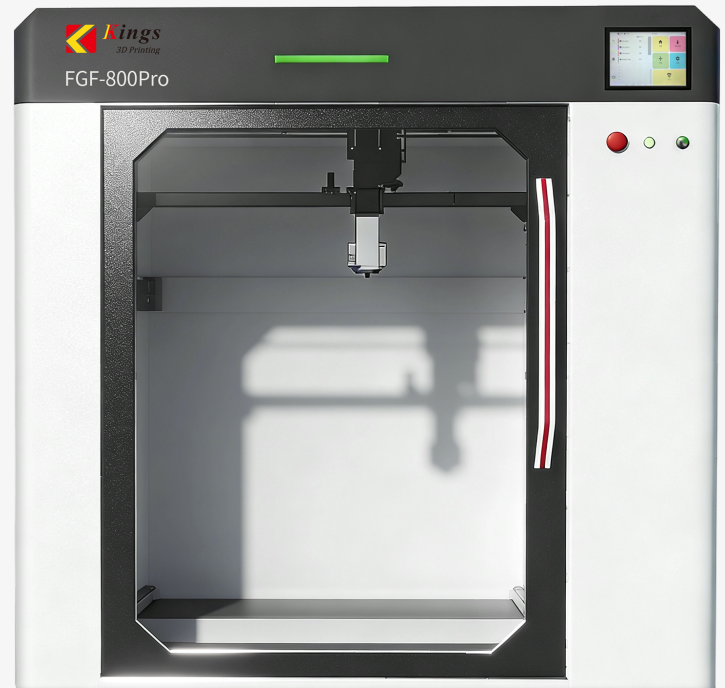
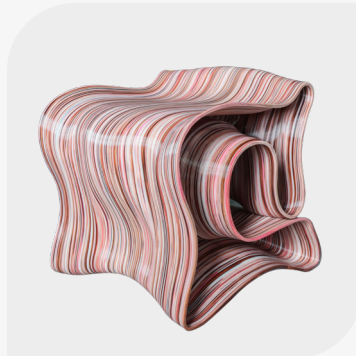


FGF-800PRO

Kings Industrial FGF 3D Printers

Large Format, High Speed, Low Material Cost



◆ Overview

Kings FGF-800Pro is a large-format granular 3D printer with advantages of fast printing speed 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

- Using pneumatic automatic feeding system
- Supporting emergency stop for safety assurance
- No assembly is required after receiving the machine
- Demonstrating the printing progress with the status indicator light
- Automatic leveling system with non-contact laser ranging (0.01mm accuracy)
- Achieving automatically resume feeding or pause printing when detecting material shortage
- Fully enclosed sheet-metal housing for heat preservation and also supporting high temperature insulation
- Utilizing a belt design on the Z-axis, but precision modules on the X and Y axes to enhance the stability of the printing

◆ 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) 800*600*800mm
Machine dimensions	(L*W*H) 1521*1110*1735mm
Optional nozzle diameter	0.4-2mm
Nozzle heating method	Two-zone intelligent heating
Drive mode	Stepper + Servo motor
Printing speed	0.98kg/h
Rated power	4.6kW
Average power	1.2kW
Machine weight	250kg
Working surface temperature	≤120 degrees celsius
Workbench contact surface	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
Chamber heating	Option
Power supply voltage	Single-phase AC 220V±10%
Rated current	20.9A
Frequency	50/60Hz
Displacement	200 liters/minute
Granular dryer	25kg tank/3.5kW/220V±10%/15.9A/50 or 60Hz/Single phase/0.6MPa/200L per min
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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