

JS-FGF-800 Polymer Composite Printer

Application fields: sculpture, special-shaped curtain wall, furniture, medical field, etc.

► Kings FGF-800 3D Printer Features

This model 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.

A new generation of industrial-grade high-performance 3D printer developed by using Fused Grain Structure (FGF) technology and a new generation of screw extrusion technology, with self-developed consumables.

► Cost-effective materials based on ABS, ASA, PETG+glass fiber/carbon fiber are suitable for indoor and outdoor sculptures, special-shaped walls, furniture, models, molds, display props and other application markets.

► The personalized external fixation brace based on PP, PLA and other materials is suitable for the prevention and correction of limb deformities, postoperative rehabilitation and other medical fields due to its characteristics of fast, accurate, light and easy to clean.



- Pneumatic automatic feeding, no material detection
- Emergency stop mode, safety guarantee
- Machine status indicator belt with progress bar
- Overall hoisting, ready to use when plugged in on the ground
- 12 kg closed storage box, pneumatic feeding
- Capacitive multi-touch display, easy to use
- Fully enclosed sheet metal cover for insulation, optional high temperature version

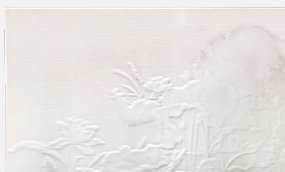
TECHNICAL DATA

JS-FGF-800

Machine model	FGF-800
Molding technology	FGF fusion grain structure
Molding dimensions	(L*W*H) 800*600*800mm
Dimensions	(L*W*H) 1130*1030*1632mm
Working surface temperature	≤120 degrees Celsius
Workbench contact surface	Aluminum Platform/Tempered Glass
Optional nozzle diameter	0.4-3mm
The maximum temperature of the nozzle	≤350 degrees Celsius (450 degrees Celsius is optional)
Nozzle heating method	Two-zone intelligent heating
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
Storage hopper volume	12kg
Automatic feeder	Integrated
Chamber heating	Option
Drive mode	Stepper + servo motor
Power supply voltage	Single-phase AC 220V
Rated power	3kW
Machine weight	200kg

► Applications

Special-shaped Curtain
Wall 3D Printing



Indoor Sculpture 3D Printing



Display Props 3D printing



Outdoor Sculpture
3D Printing

