

JS-FGF-1800 Polymer Composite Printer

Application fields: sculpture, special-shaped curtain wall, furniture, display props, etc.

► Kings FGF-1800 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.

► High-performance materials based on PPS, PPSU, PEI+carbon fiber can meet the high temperature, high strength, and dimensionally stable composite molds, fixtures, molds and other application markets.



- 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
- 50kg 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-1800

Machine model	FGF-1800
Molding technology	FGF fusion grain structure
Molding dimensions	(L*W*H) 1800*1300*1300mm
Dimensions	(L*W*H) 2662*1950*2610.6mm
Working surface temperature	≤120 degrees Celsius
Workbench contact surface	Aluminum Platform/Tempered Glass
Optional nozzle diameter	1-8mm
The maximum temperature of the nozzle	≤350 degrees Celsius (450 degrees Celsius is optional)
Nozzle heating method	Three-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/HDPE/TPU/TPV/EVA PETG+GF/PPS+GF/PA+GF/ABS+GF/PC+CF/PEI+CF etc.
Material particle diameter	1-5mm
Storage hopper volume	50kg
Automatic feeder	Integrated
Chamber heating	Option
Drive mode	Servo motor
Power supply voltage	Single-phase AC 220V
Rated power	10kW
Machine weight	1300kg

► Applications

Special-shaped Curtain
Wall 3D Printing



Indoor Sculpture 3D Printing



Display Props 3D printing



Outdoor Sculpture
3D Printing

