

JS- FGF-1800 Pro

Kings Industrial FGF Printers

Large Format, High Speed, and Pellets Printing Material



JS- FGF-1800 Pro

Kings

◆ Overview

JS-FGF-1800 Pro 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, automatic alarm if there is no material
- Emergency stop mode, safety guarantee
- Machine status indicator belt with progress bar
- Integral hoisting, directly used after plugging in
- 50kg closed storage box, pneumatic feeding
- Sensitive touch display screen
- Self-developed CNC control
- Prints resume after power loss
- 18-bit high-precision servo motors (0.01mm accuracy)
- Dust-proof module for enhanced lifespan and stability
- Fully enclosed sheet metal cover for thermal insulation, optional high temperature version
- Supports composite materials on aluminum alloy platform; ABS/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	High-precision 18-bit servo motor
Rated power	3-5kW
Machine weight	1300kg
Working surface temperature	≤120 degrees Celsius
Workbench contact surface	Aluminum Platform/Tempered 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
Chamber heating	Option
Power supply voltage	Single-phase AC 220V
Additional features	Self-developed CNC control/Dust-proof module/Prints resume after power loss

