Kings 3D Printing

FFF K1000PRO

Kings Industrial FFF 3D Printers

Large-Format Industrial FFF 3D Printing
High-Speed & Cost-Effective Prototyping
Turn Your Ideas into Large-Scale Parts











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◆ Overview

The Kings FFF K1000Pro is a large-format FFF 3D printer with a 1000 × 1000 × 1000 mm build volume, designed for large-scale sculptures, prototypes, exhibition displays, and decorative structures. Featuring a high-speed CoreXY structure, 500 mm/s maximum speed, high-flow extruder, laser auto-leveling, and a 10 mm aluminum build platform, it delivers fast and stable large-format printing. Compatible with PLA, ABS, PETG, and other materials, the FFF K1000Pro is ideal for cultural & creative industries, sculpture, landscape design, and industrial applications.

◆ Features

- → Simple frame structure, combining high precision with cost-effectiveness.
- → Maximum speed ≥500 mm/s
- → Brand new large flow extruder, heated to 300 degrees in 2 minutes 100 mm3/s+volume flow rate
- → Standard high-precision laser automatic leveling
- → Standard human-machine safety protection system
- → Fixed platform structure to reduce model shaking and layering
- → Brand new UI operation interface
- → Core XY structure, born for high speed

◆ Applications

- 1. Artistic sculptures, cartoon IP figurines, urban landscape elements, and relief sculptures
- Illuminated sculptures: Decorative pieces with integrated lighting, printed using transparent PETG or modified ABS
- Cultural tourism props, exhibition displays, window displays, and large-scale decorative structures
- Collectible figures, designer toys, film and TV props, and stage sets

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◆ Technical Data

Build Size	1000 × 1000 × 1000mm
Machine Size	1380 × 1400 × 2005mm
Printing Technology	Fused Deposition Modeling
Layer Height	0.2-1.0 mm
Connectivity	USB, LAN (Wi-Fi)
Display	7-inch color touchscreen (HDMI high-definition capacitive screen)
Language Interface	Chinese / English (multiple languages supported)
Nozzle Temperature	30-300℃
Heated Bed Temperature	30-100℃
Printing Speed	Max 500 mm/s
Nozzle Diameter	0.4-2mm (optional)
Extruder Filament Diameter	3.5 mm
Slicing Software	Compatible with Multiple Software Programs
File Formats	STL, GCODE, OBJ, etc.
Operating System	Compatible with Windows, macOS, Linux, etc.
Operating System Support	RT-Linux System
Power-off Resume	Supported
Filament Runout Detection	Supported
Print Platform	10mm ultra-flat quenched aluminum plate; includes 3D printing platform spray for easy model removal

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◆ Technical Data

Full-Bed Leveling Points	10 × 10
Full-Bed Leveling Time	≤5 min
Sensor Accuracy	±0.03 mm
Build Platform	Upgraded 10 mm thick metal build platform, equipped with 3D printing platform spray for easy part removal
Filament Diameter	3.5 mm
XY Drive System	Industrial-grade servo motors
Z-axis Drive System	Four-axis linkage
Central Processing Unit (CPU)	4-core ARM® Cortex-A53 64-bit processor
Power Supply	AC 220V ± 10%/50Hz
Input Voltage	220V
Max Power	3000W
Rated Power	2.5Kw
Rated Current	12A
Machine Exterior Finishing	Shaped profile frame
Packaging	Standard high-strength packaging crate
Storage Temperature	0°C—32°C (32—90°F)
Recommended Operating Temperature	0°C-40°C
Compatible Materials	PLA, ABS, PETG, wood-based filaments, metal-based filaments, marble-based filaments, etc.

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