

KINGS FDM 5060

Kings Industrial FDM 3D Printers

23 Innovative Technologies, High Speed FDM 3D Printing
Efficient and Cost-Effective Prototyping
Bring Your Idea into Reality



KINGS FDM 5060

Kings

◆ Overview

Kings FDM 5060 is a high-performance 3D printer designed for fast, high-quality printing with advanced features like the Klipper high-speed system and high-precision linear guides. Capable of reaching print speeds up to 500mm/s, it is ideal for professionals needing rapid prototyping and production with a wide range of high-temperature materials, including ABS, PETG, and carbon fiber-infused nylons.

◆ Features

- **Klipper High-Speed System:**
Enables a maximum printing speed of up to 500mm/s for faster production.
- **7-Inch Capacitive Touchscreen:**
Provides a user-friendly and responsive interface for easier operation.
- **Precision Components:**
XY-axis industrial-grade linear rails and high-precision servo motors for enhanced accuracy.
- **Dual Z-Axis:**
Synchronized lead screw for smoother operation and improved print quality.
- **Advanced Heating and Cooling:**
70W high-power heating rod with volcano nozzle and independent high-power heated bed ensures better print quality and faster heating.
- **Fully Enclosed Structure:**
Maintains a constant internal temperature (up to 60°C), making it perfect for high-temperature materials.

◆ Applications



Rapid Prototyping



Industrial Manufacturing



Functional Parts



Engineering Plastics Printing



Tool Parts



Animation

◆ Printing Materials

- Recommended materials include PLA (environmentally friendly, safe, and non-toxic), ABS, TPU, PETG, carbon fiber, wood filaments, metal filaments, marble filaments, and other 1.75mm diameter standard 3D printing filaments.

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◆ Technical Data

Build Size	500×500×600mm	Lighting	LED
Machine Size	680×730×1210mm	Nozzle Diameter	0.4/0.6/0.8/1mm
Printing Technology	FDM	Nozzle Temperature	0-320℃
Layer Resolution	0.05-0.35mm	Display	7in Touchscreen
Positioning Accuracy	XY:0.0011mm,Z:0.00125mm	CPU	32-bit ARM CPU microcontroller
Air Purifier	Dual-fan Filtering	Connectivity	SD card,U disk,USB connectio
Power Loss Recovery	Yes	Power Supply	AC100v-AC240v 50Hz/60Hz
Filament run-out Alarm	Yes	Operation System	Windows,Linux,MAC
Nozzle	1	File Format	STL、OBJ
Printing Color	Single Color	Appearance	High-temp baking paint sheet metal
Printing Speed	30-350mm/s	Admbient Temperature	15℃-32℃ (60°-90°F)
Structure	Fully enclosed (double door type)	Storage Temperature	0℃-32℃ (32°-90°F)
Filament Supply	Top-down	Net Weight	130kg
Movement	XY axis synchronous belt linear guide rall double Z. axis mecharicai integrated svricironous	Printing Bed	Independent powered silicone hot bed + aluminum plate +removable magnetic steel plate
Servo	XY axis Lesai closed-loop servo motor set (42cme08+CL1-507)		

