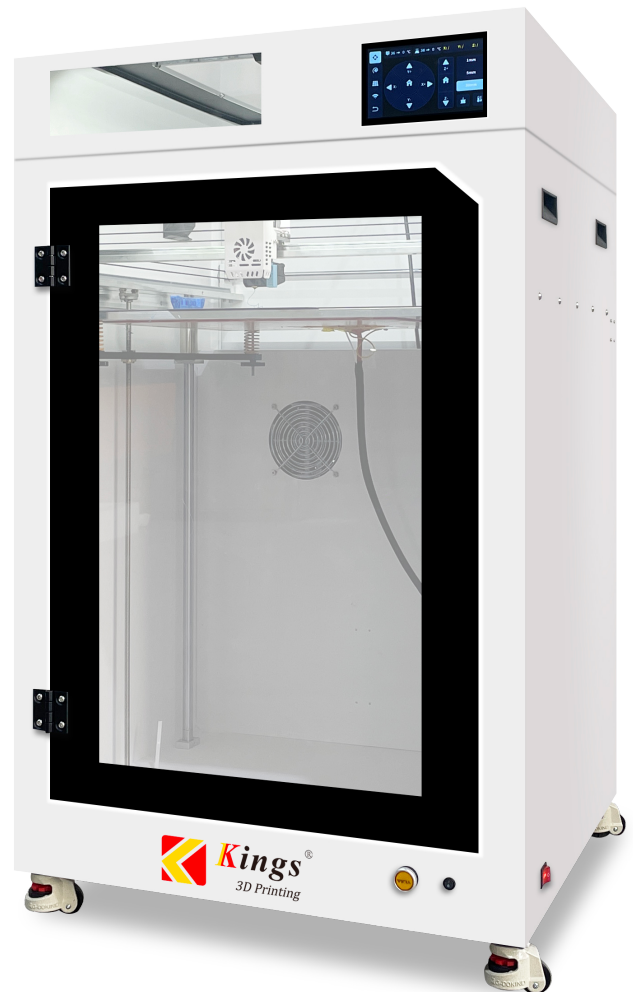


FDM 5060

Kings Industrial FDM 3D Printers

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



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
- 7-inch HD capacitive touchscreen
- Maximum print speed up to 500mm/s
- Industrial-grade linear guides for XY axis
- Dual Z-axis synchronized integrated leadscrews
- Positioning accuracy: XY axis 0.011mm, Z axis 0.0025mm
- Quick-release ceramic heater hotend for high-speed printing
- Leadshine high-precision servo motors for XY axis (closed-loop drive)
- HGX V2 hardened steel gear direct drive extruder with reduction system
- Independent power supply silicone heated bed + 12mm thick aluminum platform + detachable magnetic steel plate for better flatness and easy part removal
- Fully enclosed integrated chassis with temperature control fan, maintaining internal temperature up to 60°C- ideal for printing high-temperature materials such as ABS, PETG, nylon, and carbon fiber reinforced nylon

◆ Applications

- Tooling and Inspection Fixtures, Mold Industry, Automotive Duct Applications, Vacuum Forming, Investment Casting, Industrial Prototypes, R&D Parts, Figurines, Non-standard Components, Model Making, and Small-Batch Production.

◆ Printing Materials

- PLA, ABS, TPU, PETG, and other standard 1.75mm diameter 3D printing materials.

◆ Technical Data

Build Size	500×500×600mm
Machine Size	680×730×1210mm
Printing Technology	Fused Deposition Modeling (FDM)
Layer Resolution	0.05-0.35mm(0.4 Nozzle)
Air Filtration System	Dual-fan Filtration System
WiFi File Transfer	Yes
Filament Run-out Alarm	Yes
Leveling Method	Automatic Leveling
Number of Nozzle(s)	1
Printing Speed	30-600mm/s
Movement	XY Axis Synchronous Belt linear Guide Rail, Double Z Axis Mechanical Integrated Synchronous Screw Rod
Servo	XY Axis Lesai Closed-loop Servo Motor Set (42cme08+CL1-507)
Machine Structure	Fully Enclosed Constant-Temperature Chamber (Duel-swing Door Design)
Filament Storage Box	Externally Mounted Hanging Type
Lighting Function	Built-in LED Lighting
Default Nozzle Diameter	0.4/0.6/0.8/1.0mm
Nozzle(s) Temperature	0-320℃
Heated Bed	Independently Powered Silicone Heated Bed + 12mm Aluminum Plate + Detachable Magnetic Steel Plate
Display	7-inch Touchscreen
Connectivity	USB Drive, LAN (WiFi)
Power Requirements	AC100V-AC240V 50Hz/60Hz
Operating System	Windows, Linux, MAC
File Format	STL, GCODE, OBJ
CPU	32-bit ARM CPU Microcontroller
Machine Surface Finish	High-temperature Baked Sheet Metal Finish
Packaging Specifications	Export-standard High-strength Packaging
Gross Weight	≥130kg

