

FDM 3040

Kings Industrial FDM 3D Printers

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



FDM 3040

Kings

◆ Overview

The Kings FDM 3D Printer 3040 is a reliable and efficient solution designed for precision and versatility. With a printing size of 300 x 300 x 400 mm and machine dimensions of 530 x 520 x 825 mm, it offers a compact yet functional design. This printer is ideal for a range of materials, including PLA (eco-friendly and non-toxic), ABS, and other standard 1.75mm diameter 3D printing filaments. Weighing in at over 48kg, the Kings 3040 is built for stability and durability, making it perfect for a variety of 3D printing projects.

◆ Features

- Klipper high-speed system
- 4.5-inch HD capacitive touchscreen
- Maximum print speed up to 600mm/s
- Industrial-grade linear guides for XY axis
- Dual Z-axis synchronized integrated leadscrews
- Positioning accuracy: XY axis 0.0125mm, 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	300×300×400mm
Machine Size	530×520×825mm
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	≤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	0.6/0.8/1.0mm
Nozzle(s) Temperature	0-320℃
Heated Bed	Independently Powered Silicone Heated Bed + 12mm Aluminum Plate + Detachable Magnetic Steel Plate
Display	4.5-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	≥48kg

