

FDM 345

Kings Industrial FDM 3D Printers

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



FDM 345

Kings

◆ Overview

The Kings FDM 345 is engineered for speed, stability, and precision. Built with a CoreXY structure and a fully enclosed metal chassis, it delivers exceptional performance for professional and industrial-grade applications. Whether you're prototyping or producing in small batches, the FDM 345 ensures reliable results with high-temperature capability and advanced motion control.

◆ Features

- CoreXY motion structure
- 600 mm/s high-speed printing
- Triple Z-axis lead screws
- 330°C high-temperature nozzle
- Fully enclosed metal frame

◆ Advantages

→ Speed

Boosts productivity with fast print capability

→ Precision

Industrial linear rails ensure dimensional accuracy

→ Material Compatibility

Handles engineering-grade and composite filaments

→ Stability

Triple Z-axis and enclosed design enhance print consistency

→ Ease of Use

Auto leveling and Klipper system simplify operation

◆ Applications

- Tooling and inspection fixtures, mold industry, automotive piping, vacuum forming, lost foam casting, industrial prototypes, R&D parts, garage kits, non-standard components, model making, and small-batch production.

◆ Printing Materials

- PLA, ABS, ASA, PETG, TPU, PA, carbon fiber-reinforced, glass fiber-reinforced, wood-filled and other 1.75mm standard filament.

◆ Technical Data

Build Size	425×365×550mm
Machine Size	600×550×950mm
Printing Technology	Fused Deposition Modeling (FDM)
Air Filtration System	Available
Filament Run-out Alarm	Pause & Alert Supported
Camera	Equipped
Leveling Method	Auto Bed Leveling
Number of Nozzles	1
Printing Speed	Max 500mm/s
Motion System	CoreXY
Motor Drive Type	TMC2209
Enclosure Structure	Fully Enclosed Heated Chamber (Dual-Door Design)
Filament Storage Box	External Hanging Type
Lighting Function	Built-in LED Lighting
Default Nozzle Diameter	0.4mm
Nozzle Temperature	Max 330°C
Heated Bed	Max 120°C
Display	4.5-inch Touchscreen
Printing Method	USB Drive, LAN, Wi-Fi
Power Requirements	AC100V-AC240V 50Hz/60Hz
Operating System Support	Windows, macOS, Linux
Supported File Formats	STL, OBJ, GCODE
Machine Surface Finish	High-temperature baked sheet metal coating for a distinctive look
Gross Weight	50KG
Recommended Operating Temperature	15°C-32°C (60°-90°F)
Storage Temperature	0°C-32°C (32°-90°F)



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