Kings®
3D Printing

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

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◆ 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

- Recommended PLA, TPU, Carbon Fiber, ABS, Nylon, Nylon Carbon Fiber, and other 1.75mm standard filaments

Email: market@kings3dprinter.com | Mob/Whatsapp: +86 17727416895 | Web: www.kings3dprinter.com

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◆ Technical Data

Build Size	425×365×550mm
Machine Size	600×550×950mm
Printing Technology	Fused Deposition Modeling (FDM)
Layer Resolution	≥0.05
Air Filtration System	Available
Filament Run-out Alarm	Pause & Alert Supported
Camera	Equipped
Leveling Method	Auto Bed Leveling
Number of Nozzles	1
Printing Speed	≤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℃
Heated Bed	Max 120℃
Display	4.5-inch Touchscreen
Printing Method	USB Drive, LAN, Wi-Fi
Power Requirements	AC100V-AC240V 50Hz/60Hz
Operating System Support	Windows,Linux,MAC
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℃-32℃（60°-90°F）
Storage Temperature	0℃-32℃（32°-90°F）

Shenzhen Kings 3D Printing Technology Co.,Ltd.
Email: market@kings3dprinter.com | Mob/Whatsapp: +86 17727416895
Web: www.kings3dprinter.com
Floor 14,Building 3A,Yunzhi Science Park,Guangming District,Shenzhen,Guangdong,CHINA
No.178,Dingxing Road,High-tech Zone,Zhuhai City,Guangdong Province