Kings®
3D Printing

FDM 6610

Kings Industrial FDM 3D Printers

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

FDM 6610

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◆ Overview

Kings FDM 6610 is a large-scale industrial-grade 3D printer designed for extended continuous printing, making it ideal for demanding production environments. With a generous build volume of 600x600x1000mm, this printer can handle larger projects with high reliability, offering advanced features such as material runout detection and power recovery for seamless, uninterrupted printing.

◆ Features

- **Extended Printing Capability:**
  Can print continuously for up to 72 hours, ideal for large or batch production.
- **Material Runout and Power Recovery:**
  Detects material depletion and restores printing after power loss, minimizing print failures.
- **Custom Extruder Design:**
  Self-developed nozzle with uniform heating ensures smooth extrusion and long-lasting performance.
- **Dual Door Design:**
  Facilitates easy access for large model removal and enhances visibility during the printing process.
- **Four-point Platform Leveling:**
  Ensures better calibration and reduces the risk of warping for improved print quality.

◆ 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

- Recommended materials PLA (environmentally friendly, safe, and non-toxic), ABS, TPU, PETG, carbon fiber, wood filaments, PA nylon, PA12-CF nylon carbon fiber, etc., and other 1.75mm diameter standard 3D printing filaments.

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◆ Technical Data

Build Size	600×600×1000mm
Machine Size	930×1200×1670mm
Printing Technology	Fused Deposition Modeling (FDM)
Layer Resolution	0.05-0.3mm
Printing Material	PLA/ABS/TPU/Wood Materials
Connectivity	SD Card (Offline), Online
Display	7-inch Touchscreen
Interface Language	Chinese/English and Others
Number of Nozzle(s)	1
Nozzle(s) Temperature	0-320℃
Heated Bed Temperature	0-120℃
Printing Speed	30-300mm/s
Nozzle(s) Diameter	0.4/0.6/0.8mm
Print Platform	Four-axis Linkage + European-standard Structural Profiles Supporting a 220V High-power Silicone Heated Bed + 10mm Thick Removable Glass Plate
Slicing Software	CURA, S3D (Compatible With Third-Party Slicing Software)
File Format	STL, GCODE, OBJ
Operating System	Windows7, Linux, WindowsXP
Input Voltage	110V/220V
Operating Voltage	24V
Motor Configuration	Industrial-grade Closed-loop Servo Motors
Power-loss Recovery Support	Yes
Filament Run-out Alarm	Yes
Enclosure Structure	Semi-enclosed Sheet Metal Enclosure
Power Requirements	AC100V-AC240V 50Hz/60Hz
Machine Surface Finish	High-temperature Baked Sheet Metal Finish
Packaging Specifications	Export-standard High-strength Packaging

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