

KINGS 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



KINGS 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.
- **Nine-point Platform Leveling:**
Ensures better calibration and reduces the risk of warping for improved print quality.

◆ Applications



Large-Scale
Manufacturing



Prototyping



Industrial
Parts



Functional
Models



Batch
Production



Custom
Components



Tool Parts



Animation

◆ Printing Materials

- Recommended materials include PLA (environmentally friendly, safe, and non-toxic), ABS, TPU, PETG, carbon fiber, wood filaments, metal filaments, marble filaments, 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	FDM
Layer Resolution	0.05-0.3mm
Positioning Accuracy	≤0.0125mm
Power Loss Recovery	Yes
Nozzle	1/2 optional
Printing Color	Single color
Printing Speed	30-300mm/s
Filament Supply	Top-down
Lighting	LED
Nozzle Diamete	0.4/0.6/0.8/1/1.2mm
Nozzle Temperaturer	0-320°C
Display	7in touchscreen
CPU	32-bit ARM CPU microcontroller
Servo Motor	Industrial Grade Servo Motor
Transmission Device	Industrial Grade Rail Module
Z axis	Four-axis linkage
Connectivity	SD card,U disk,USB connection
Power Supply	AC100v-AC240v 50Hz/60Hz
Operation System	Windows7,Linux,WindowsXP
File Format	STL、GCODE、OBJ
Appearance	High-temp baking paint sheet metal
Ambient Temperature	15°C-32°C (60°-90°F)
Storage Temperature	0°C-32°C (32°-90°F)
Net Weight	300kg



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