Kings 3D Printing

FDM 2350

Kings Industrial FDM 3D Printers

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

FDM 2350

Kings

◆ Overview

The Kings FDM 2350 is our largest-format FDM 3D printer to date, engineered for industrial-scale applications requiring both size and precision. Designed for sectors such as automotive customization, tooling & fixtures, and large-scale sculptures, it combines advanced multi-material capabilities with high structural stability to deliver efficient and reliable large-part production.

◆ Features

- **Dual-Nozzle Collaborative Printing** —— Seamless multi-material switching with synchronized extrusion
- **Ultra-Large Build Volume** —— 2350 × 1000 × 750 mm for large one-piece parts
- **High-Precision Motion System** —— Linear motors with closed-loop control
- **Dual-Layer Heated Chamber** —— Stable high-temperature printing environment
- **Smart Operation System** —— One-click control with dedicated slicing software
- **Heavy-Duty Integrated Frame** —— High rigidity for long-term stable operation

◆ Advantages

- **Efficient Multi-Material Production**
  Enables complex parts with multiple materials in a single build, reducing post-processing and improving productivity
- **Large-Scale One-Piece Manufacturing**
  Eliminates the need for part segmentation and assembly, improving structural integrity and reducing errors
- **High Stability for Industrial Use**
  Robust mechanical structure and thermal control system ensure consistent performance during long-duration prints
- **Precision & Reliability**
  Advanced motion control system delivers high dimensional accuracy, meeting demanding industrial requirements

◆ Applications

- Automotive Customization
- Molds & Tooling
- Large-scale Sculptures
- Industrial Prototyping
- Architectural Models

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◆ Technical Data

Build Size	2350×1000×750mm
Machine Size	3420×1920×2150mm
Printing Technology	Fused Deposition Modeling (FDM)
Maximum Build Plate Temperature	≤100°C
Build Plate	Aluminum-alloy Platform
Nozzle(s) Diameter	0.4~1mm
Max Temperature of Nozzle(s)	350°C
Nozzle Heating Method	Intelligent Heating
Printing Speed	Max 300 mm/s
Layer Thickness	Min 0.2 mm
Position Accuracy	2 μm
Connectivity	SD/USB/WiFi
File Format	STL/OBJ/AMF/3MF
Materials	PC+ABS/PETG+GF/PP+GF/PA+GF/ABS+GF/PC+CF
Automatic Material Switching System	(Standard)
Automatic Feeder	(Integrated)
Chamber Heating	Up to 60°C
Drive System	Servo Motor
Power Supply	Single-phase AC 220V
Control System	CNC System

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