

Kings M50E

Kings Industrial SLM 3D Printers

Small-sized Selective Laser Melting Equipment
with High Manufacturing Accuracy



Advantage

- Work without protective gas: Metal 3D forming without protective gas, saving exhaust time and protective gas costs.
- High precision and strong stability: High-precision scanning galvanometer ensure high precision and strong stability
- Dual circulation wind site protection system: Dual-circulation wind site protection system to extend the lifespan of the optical components
- High security Multiple safety insurance: high safety performance

Ideal Applications

- New materials and processes R&D
- Education
- Scientific Research
- Dentistry
- Jewelry industry

Overview

Kings M50E is a new generation of metal 3D printers specially developed by Kings 3D for the vocational education industry. Its biggest feature is that it can perform metal 3D printing without inert gas protection. It is easy to operate and has no exhaust system, thus saving exhaust time and protective gas costs, very suitable for low-cost education and training work, providing complete metal 3D printing operations and skills training for students and vocational trainees.

Technical Data

External Dimensions (L×W×H)	720X 810X 1500mm (28.3X31.8X59 in)
Build Cylinder Size (L×W×H)	φ70X50mm (φ2.7X1.9 in)
Layer Thickness	0.02mm~0.1mm (0.0008-0.0039 in)
Scanning Speed	7m/s
Laser Type	30W Yb-Fiber Laser/Fiber Laser 30W (wind cool)
Galvanometer	High Precision Scanning System
Inert Gas Protection	/
Operating System	64 bit Windows 10
Comprehensive Software	Kings 3D Self-developed Control System
Data File Format	STL or Other Convertible Format
Power Supply	220V AC 50/60HZ 16A
Operating Ambient Temperature	15-26 ℃
Materials	Customized Metal Alloy Materials
Powder Delivery	Double Cylinder One Way Powder Feeding



High Precision
A New Era of Design, and Manufacturing