



**Kings**  
3D Printing

# Kings M150

## Kings Industrial SLM 3D Printers

All closed looped powder handling system  
high precision & high quality



### Advantage

- High precision & high quality: Supports 20μm laser spot size. Precisely print out every structural details, Adopting a concentrated laser, the energy greatly enhances the density and strength of the printed part
- All closed looped powder handling system: The low oxygen content in the manufacturing environment ensures that the metal is not oxidized, and is compatible with powders of different specifications
- Dual-circulation wind site protection system: Dual-circulation wind site protection system to extend the lifespan of the optical components
- Fully pop-up piston system: Equipped with a fully pop-up piston system, it is more convenient and quicker to replace metal powders, and 100% eliminates cross powder contamination when replacing powders

### Ideal Applications

- R&D and production of small precision parts for dentistry, orthopedics, jewelry, etc.; research education, etc.



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**Shenzhen Jinshi 3D Printing Technology Co., Ltd.**

Add: Floor 14-15, Building 4-B, Yunzhi Science Park,  
Gongming Street, Guangming District, Shenzhen | China 518107

**Jiangxi Jinshi 3D AM Tech. Co., Ltd**

Add: Xiabu Town, Xiangdong District, Pingxiang City, Jiangxi Province, China (factory)

Tel: +86(0)755-23579161  
www.kings3dprinter.com

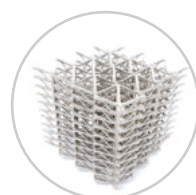
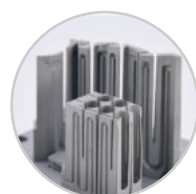
Mob: +86 133 4296 5481  
Info@kings3dprinter.com

## Overview

Kings M150 is the third generation of small metal 3D printers developed by Kings 3D. After several generations of technical updates, this machine has excellent performance with low operating cost and high precision. Widely used in dentistry, orthopedics, molds, jewelry, scientific research and education, etc.

## Technical Data

External Dimensions (L×W×H)	1200x800x1700mm(47.2X31.5X66.9 in)
Build Cylinder Size (L×W×H)	150x150x150mm(5.9X5.9X5.9 in)
Layer Thickness	0.02mm~0.1mm ( 0.0008-0.0039 in )
Scanning Speed	15m/s
Laser Type	One IPG Laser, 1×500W
Galvanometer	High Precision Scanning System
Inert Gas Protection	Argon/Nitrogen
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 32A Single Phase
Operating Ambient Temperature	15-36 ℃
Materials	316L,Ti6Al4V,AlSi10Mg,In 718, CuSn10, CoCr,18Ni300 etc, more materials
Powder Delivery	Double Cylinder One Way Powder Feeding



High Precision  
A New Era of Design, and Manufacturing