



Kings
3D Printing

Kings M100H

Kings Industrial SLM 3D Printers

High power and high efficiency forming
Fully pop-up piston system



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
- Customizable configuration: The configuration can be customized according to the customer's application requirements, making the use flexible
- 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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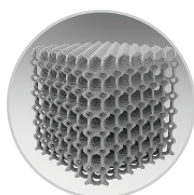
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Overview

Kings 100M has an exquisite shape design with a upgraded build cylinder, high precision and high efficiency, and it can process and produce a variety of materials. Mainly used in the R&D and production of small precision parts in dentistry, orthopedics, jewelry, scientific research and education.

Technical Data

External Dimensions (L×W×H)	715×913×1784mm (28.1X35.9X70.2 in)
Build Cylinder Size (L×W×H)	100×100×100mm(3.9X3.9X3.9 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