Kings®
3D Printing

Kings M100E SLM

Kings Industrial FDM 3D Printers

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

Overview

Kings M100E has an exquisite shape design with an 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.

Ideal Applications

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

Features

(1) High Precision & High Quality

Supports 30-50μm laser spot size. Precisely print out every structural detail. Adopting a concentrated laser, the energy greatly enhances the density and strength of the printed part.

(2) 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.

(3) Double Circulation Wind Site Protection System

Dual-circulation wind site protection system to extend the lifespan of the optical components.

(4) 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.

Product Details

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	**200W Laser Made In China**
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 C
Materials	316L,Ti6Al4V,AlSi10Mg,In 718,CuSn10,CoCr,18Ni300 etc, more materials
Powder Delivery	Double Cylinder One Way Powder Feeding

Printings