

Kings M280

Kings Industrial SLM 3D Printers

Medium-sized laser selective melting metal 3D printer



Advantage

- high precision & high quality, High-precision scanning galvanometer ensure high precision and strong stability
- Double 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
- 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

Ideal Applications

- mold making, industrial precision components, aerospace, automotive, medical applications, scientific research, etc.

Overview

Kings M280 is a medium-sized laser selective melting metal 3D printing equipment developed by KINGS 3D. It prints in a moderate size with high precision. With an ultra-efficient air filtration system and double circulation wind site protection system, double protection reduces printing defects and ensures the quality of parts.

Widely used in production or custom molds, industrial precision components, aerospace, automobile manufacturing, medical applications, scientific research, etc.

Technical Data

External Dimensions (L×W×H)	1600×1100×2100mm (63X43.3X82.6 in)
Build Cylinder Size (L×W×H)	250×250×280mm(9.8X9.8X11 in)
Layer Thickness	0.02mm~0.1mm (0.0008-0.0039 in)
Scanning Speed	15m/s
Laser Type	Dual IPG Lasers, 2×500W
Scanner	High Precision Glavo 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, IN718, AISi10Mg etc, more materials
Powder Delivery	Double Cylinder One Way Powder Feeding



High Precision
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