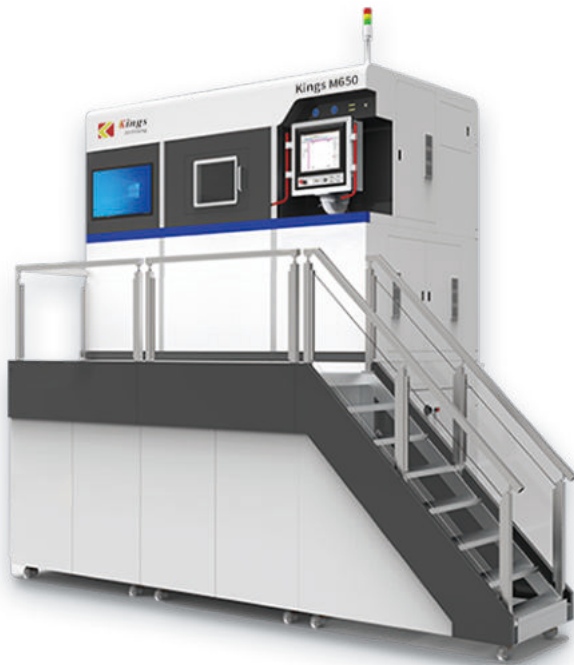


# Kings M650

## Kings Industrial SLM 3D Printers

4 Laser 4 galvanometer Large-Sized  
Metal 3D Printing Equipment



### Advantage

- Large-size quad-laser high-efficiency printing on the same platform: 625mmx625mmx1100mm large forming size, opens new possibilities for large-scale metal production that couldn't be built before in industries
- Intelligent operation design: Unattended automatic operation printing, automatic/manual control free switching, self-diagnosis function, safety protection and automatic fault alarm
- Double circulation wind site protection system: Dual-circulation wind site protection system to extend the lifespan of the optical components
- All closed looped powder handling system: The oxygen content is as low as 100PPM to ensure that the metal is not oxidized

### Ideal Applications

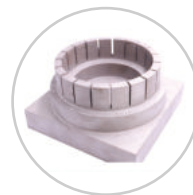
- Aerospace, mold industry, automotive industry and other industries that have a wide range of applications for large-sized parts.

## Overview

Kings M650 is the largest laser selective melting equipment launched by Kings 3D, with a printing size of 625mmx625mmx1100mm. It is the representative work of KINGS 3D's many years of technology accumulation, and it is also a rare large-size laser selection melting equipment in the market. Its expansive build envelope opens new possibilities for large-scale metal production that couldn't be built before in industries such as aerospace, mold industry, automobile industry, etc and many others.

## Technical Data

External Dimensions (L×W×H)	3105mm×2750mm×4200mm(122.2X108.2x165.3 in)
Build Cylinder Size (L×W×H)	625mm×625mm×1100mm(24.6X24.6X43.3)
Layer Thickness	0.02mm~0.1mm ( 0.0008-0.0039 in )
Scanning Speed	15m/s
Laser Type	Quad IPG Lasers, 4×500W
Galvanometer	Dynamic focusing 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	380V AC 50/60Hz 25KW
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



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