

Kings M480 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 M480 SLM 3D Printer is a high-efficiency solution launched by KINGS 3D Printing for large-size metal 3D printing applications.

Multi-laser and multi-galvanometer are combined on the same platform, which improves the printing efficiency by more than 80%.

For the first time, an all-closed looped powder handling system is adopted to reduce the harm of dust to the human body.

It can be used in molds, automobiles, aerospace, nuclear power and military industry, orthopedic medicine, and other fields.

Ideal Applications

SLM 3D Printer is Widely used in Mold, Automobile, Aerospace, Nuclear Power Military, Orthopedic Medicine, etc.



Features

- (1) Large-size Multi-laser High-efficiency Forming On The Same Platform

The multi-laser and multi-galvanometer work together on the same platform synchronously, which can improve the printing efficiency by more than 80% and enable efficient printing of large-sized parts.
- (2) Intelligent Operation Design

Unattended automatic operation printing, automatic/manual control free switching, self-diagnosis function, safety protection, and automatic fault alarm.
- (3) Double Circulation Wind Site Protection System

Dual-circulation wind site protection system to extend the lifespan of the optical components.
- (4) All Closed Looped Powder Handling System

Closed powder internal processing system, isolates the printing system from the external environment and reduces the harm of powder to the human body.

Product Details

TECHNICAL CONFIGURATION	SPECIFICATION PARAMETERS	Inert Gas Protection:	Argon/Nitrogen Ar/ N2
The Type of 3D Printer:	Kings 3D M480 SLM 3D Printer	Operating System:	64-bit Windows 10
External Dimensions(L*W*H):	1940*1110*2075mm (76.38" x 43.70 x 81.69 in)	Comprehensive Software:	Kings 3D Self-developed Control System
Build Cylinder Size(L*W*H):	480*320*300mm (18.90 x 12.60 x 11.81 in)	Data File Format:	STL or Other Convertible Format
Scanning Speed:	11m/s	Power Supply:	380V AC 50/60HZ 45A Triple-Phase
Laser Type:	Dual IPG Lasers, 500W*2	Operating Ambient Temperature:	15-36 °C
Layer Thickness:	0.02mm~0.09mm (0.0008-0.0083 in)	Materials:	316L,AISI10Mg, Ti6Al4V etc, more materials
Scanner:	High Precision Glavo Scanning System/ Scanlab Scan Head 500W*2	Powder Delivery:	Double Cylinder Two Way Powder Feeding

Printings

