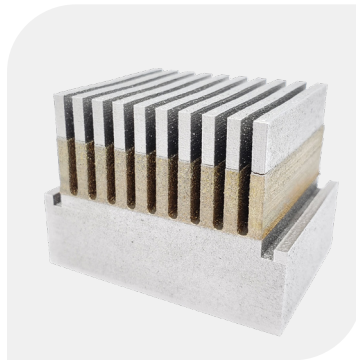
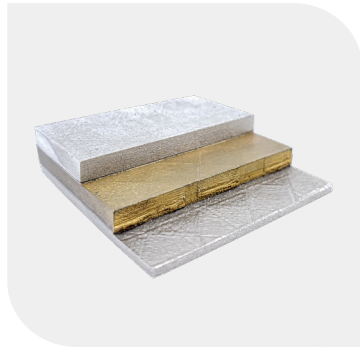


M150D

Kings Industrial SLM 3D Printers








Small-sized Selective Laser Melting Equipment
With High Manufacturing Accuracy



◆ Overview

M150D is a high-throughput metal 3D printer capable of forming gradient materials along the X or Z axis. It features a top gradient powder feeding system that precisely mixes and distributes multiple materials, ensuring continuous and uniform powder supply for stable, high-quality multi-material printing.

◆ Advantage

-  **Multi-material Forming:**
Supports up to four materials for gradient manufacturing
-  **High Stability:**
Ensures consistent forming quality over long prints
-  **Fresh Air Protection:**
Dual-filter system maintains purity and efficiency
-  **High Precision:**
Equipped with advanced scanning galvanometer
-  **Flexible Powder Spreading:**
Interchangeable scraper system for various materials
-  **Direct CAD Input:**
Upload 3D data directly without waiting
-  **Low Oxygen Forming:**
Vacuum-assisted environment prevents oxidation

◆ Features

- Gradient powder feeding system with precise ratio control
- Continuous top-feeding design for uninterrupted operation
- Modular architecture for easy maintenance and upgrade
- Stable optical and gas purification systems
- Supports X-axis or Z-axis gradient forming

◆ Ideal Applications

- Power and energy
- Industrial mold manufacturing
- Basic scientific research
- Aerospace and aviation
- Education and multi-material testing

◆ Technical Data

Build Size	150mm × 150mm × 150mm
Machine Size	1300mm × 930mm × 2150mm
Layer Thickness	0.02-0.1 mm
Laser Type	IPG 500W
Scanning System	High-precision Scanning Galvanometer
Scanning Speed	Max 7m/s
Software	Kings Self-developed Control and Path Planning Software System
Data Format	STL Files or Other Convertible Formats
Feeding Method	Unidirectional top powder feeding system
Power Consumption	8.8kW
Voltage Supply	20V /50Hz
Ambient Temperature	Operating Temperature 15°C-30°C
Printing Materials	Stainless Stell, Titanium Alloy, Cobalt Chromium Alloy, Mold Steel, Copper Alloy, Precious Metals, and etc

