

# LM-M100D

## Dental LM-M100D Metal 3D Printer

The dental revolution on the desktop opens a new chapter of customization.



High efficiency



High precision



Portable size



Easy to operate



## ► WHY LM-M100D



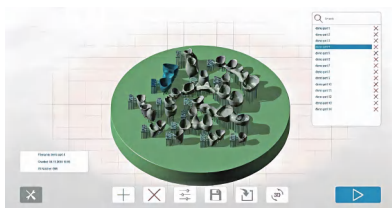
### High Equipment Stability

Considering that metal dust from metal printing can enter the equipment circuit, the circuit part of the equipment is completely isolated from the powder forming part, ensuring the stability of long-term operation of the equipment and extending its use.



### High Equipment Efficiency

The overall volume of the device is reduced, the powder spreading stroke is shortened, and printing a board only takes 3 hours.



### Dental Data Control System

Intelligent monitoring and feedbackMonitoring of the overall machine operation status: PIC connection status, laser status, emergency stop, lifting axis status of the forming chamber, powder falling axis status, scraper axis status, and powder shortage status, providing a comprehensive understanding of component status

## ► LM-M100D Usage Process



### Model preparation

Data slicing software processing



### 3D Printing



### Heat Treatment



### Cutting



### Removing support structures



## ► 3D Printing Case



Sample name: Dentures

Printing equipment: LM-M100D

Printing material: TC4

LM-M100D can achieve micron-level precision to meet the requirements of complex structures and fine details of dental samples, ensuring that dental restorations, crowns, bridges and other components perfectly fit the patient's oral anatomy.



Metal 3D Printed Dentures

## ► Technical Parameters

|                          |  |
|--------------------------|--|
| Dimension                | 700*700*1300mm   |
| Build Volume             | Φ120*100mm/Φ100*80mm(diameter*height)                  |
| Laser Power              | 300W   |
| Layer Thickness          | 20-50μm  |
| Scanning speed           | 7m/s   |
| Powder feeding method    | parallel cylinder powder feeding                       |
| Supported interface type | Ethernet, USB  |
| Control Software         | Tianhong Customization                                 |
| Data processing software | Magics/voxeldance (provided by customers)              |
| Applicable material      | Titanium alloy, cobalt-chromium alloy, stainless steel |
| Weight                   | 180Kg  |

## ► About Us



### Technical Consultation

Including consulting on equipment selection, material processes, and operations



### Original spare parts

Ensure high performance and long service life



### Equipment Training

Full training on equipment, systems, maintenance and can be customized



### Regular after-sales

Regular return visit  
Provide comprehensive and detailed service