



Desktop Metal 3D Printer

MLAB

Compact Design, Startup Friendly.



Desktop Size

Dimensions: 60x60x80cm.
Compact design.



New Control Software Riton Controller

Real-time monitoring & feedback of the machine status and printing process.
The UI is simple and easy to operate.



More Efficient

Reduced inflation time.
Shortened powder spreading distance.
(Actual time may vary due to different conditions)



Convenient & Flexible Powder Filling

Powder quantity monitoring and upward powder filling.
Handy and unrestricted



More Stable

Dual-module control of PLC & IPC.
Equipped with 6 fans for efficient heat dissipation.



Safer Production

Pre-soaked filter cartridge in the circulation system.
Reduces powder explosion risk, ensuring production safety.



Wireless Transmission

Supports wireless transmission of printing data.
Enables accessible and fast printing.



Compatible with Multiple Materials

Supports printing with CoCr Alloy and Titanium Alloy.

TECHNICAL SPECIFICATIONS

Laser Source	Single - fiber laser
Laser Power	250W
Maximum Scanning Speed	11200 mm/s
Printing Area	φ100 x 90mm
Layer Thickness	20-60μm
Protective Gas	Nitrogen or Argon
Production Efficiency	Prints 100 crowns or 7 RPD frameworks in 2.5 hours in the fastest case <i>(Actual time may vary due to different conditions)</i>
Printing Materials	CoCr Alloy / Titanium Alloy
Printer Weight	150kg
Printer Dimensions	600mm x 600mm x 800mm
Circulation System Dimensions	410mm x 620mm x 840mm
Input Voltage	220V
Installation Environment	15°C - 35°C, Humidity: ≤ 95%, No vibrations

AUXILIARY EQUIPMENT



SAMPLE DISPLAY

