



Desktop Metal 3D Printer

MLAB

Compact Design, Startup Friendly.



Desktop Size

Dimensions: 610 x 615 x 890 mm.
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)



User-Friendly Powder Management

Powder quantity monitoring and upward powder filling.
Convenient & Flexible.



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	250 W
Maximum Scanning Speed	11200 mm/s
Printing Area	Φ100 x 90 mm (including build plate)
Layer Thickness	20–60 μm
Protective Gas	Nitrogen or Argon
Production Efficiency	Prints 100 crowns or 7 RPD frameworks in 2.5 hours in the fastest case (Actual time may vary due to different conditions)
Printing Materials	CoCr Alloy / Titanium Alloy
Printer Weight	150 kg
Printer Dimensions	610 x 615 x 890 mm
Circulation System Dimensions	410 x 620 x 840 mm
Input Voltage	220 V / 50 Hz / 3 kW
Installation Environment	15°C – 35°C, Humidity: ≤ 95%, No vibrations

■ AUXILIARY EQUIPMENT



■ SAMPLE DISPLAY

