

EP-M150

Dental Metal 3D Printer

High Efficient & Reliable & Save cost



EP-M150

Eplus3D EP-M150 uses a fiber laser to directly melt elemental or alloy metal powders to form dental restorations, like crowns, bridges and partials. Featuring a short production time, low operation cost and high quality, EP-M150 is an ideal choice for dental clients worldwide.

HIGH EFFICIENCY

It only takes around 5.5 hrs to print a full plate of teeth (around 220 crowns) , around 8 hrs to print a full plate of partials (around 25 pcs.).

HIGH QUALITY & FINE DETAILS

Thanks to self-developed optical path system and professional high-precision correction method, EP-M150 guarantees high printing quality.

CONVENIENT OPERATION

- “One-click printing” makes sure people can operate EP-M150 very easily.
- Optimized structure design allows easier maintenance.

LOW OPERATION COST

- Improved powder feeding and sieving system enables a high material utilization rate: approx. 550 crowns printed only by 1 kg powder.
- Optimized chamber structure and excellent sealing proper ties minimize gas consumption: gas consumption < 0.2 L/min (printing period).

HIGH SAFETY

- EP-M150 integrates more than 10 security technologies to enhance overall safety.
- Working environment and real-time gas monitoring helps to ensure high equipment safety.

APPLICATIONS



EP-M150

PARAMETER

Machine Model	EP-M150
Build Volume (X x Y x Z) (height incl. build plate)	Φ 150 x 100 mm (Φ 5.91 x 3.94 in)
Optical System	Fiber Laser 200 W (single or dual-laser optional)
Spot Size	40 - 60 μm
Max Scan Speed	8 m/s
Theoretical Printspeed	Up to 35 cm ³ /h
Layer Thickness	20 - 50 μm
Material	Titanium Alloy, Cobalt Chrome.
Power Supply	220 V, 50 / 60 Hz, 2.5 / 3.5 kW
Gas Supply	Ar / N ₂
Oxygen Content	≤100 ppm
Dimension (W x D x H)	1750 x 810 x 2190 mm
Weight	900 kg
Software	EPControl, EP Hatch
Input Data Format	STL or other Convertible File

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