

# EP-M150

Dental Metal 3D Printer

High Efficient & Reliable & Save cost



# EP-M150

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EPlus 3D 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, the EP-M150 is an ideal choice for dental clients worldwide.

## HIGH EFFICIENCY

It only takes around 5.5hrs to print a full plate of teeth (around 220 crowns), around 6.5hrs to print a full plate of partials (around 15 pcs.).

## HIGH QUALITY & FINE DETAILS

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

## CONVENIENT OPERATION

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

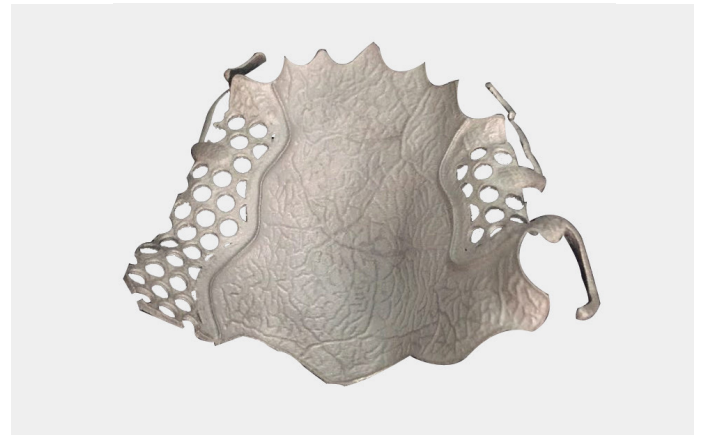
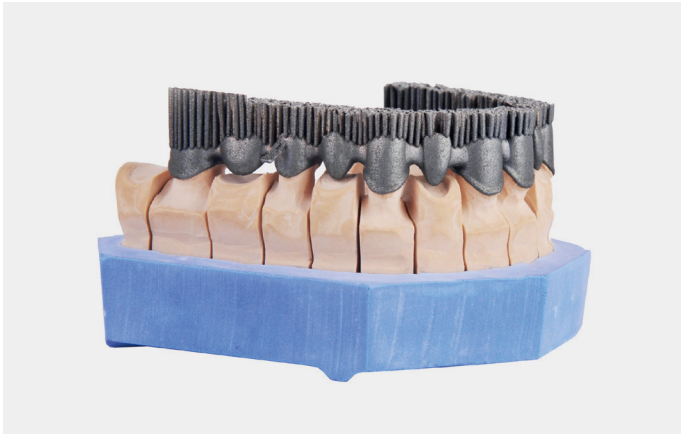
## LOW OPERATION COST

- 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 properly minimize gas consumption: gas consumption <0.2 L/min (printing period).

## HIGH SAFETY

- The 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 Chamber (XxYxZ)	Φ 153mmx80mm <sup>3</sup>
Optical System	Fiber Laser, 200W (single or dual-laser optional)
Spot Size	70 μ m
Max Scan Speed	8m/s
Building Speed <sup>(1)</sup>	Single laser : 5~20cm <sup>3</sup> /h    Dual laser : 8~35cm <sup>3</sup> /h
Layer Thickness	200W laser : 20 μ m -50 μ m
Material	Titanium Alloy, Cobalt Chrome.
Power Supply	220V, 50~60Hz, 4.2KW, 14A ( Dual laser: 5.8KW, 19A )
Gas Supply	Ar/N <sub>2</sub>
Oxygen Content	≤100 ppm
Dimension (WxDxH)	1750x810x1830mm <sup>3</sup>
Weight	900kg
Software	EP Control, EP Hatch
Input Data Format	STL or other Convertible File

Notice: Eplus 3D reserves the right to explain any alteration of the specifications and pictures.