

EP-M150

Dental Metal 3D Printer

High Efficient & Reliable & Save cost



EP-M150

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 5.5 hrs to print a full plate of teeth (around 220 crowns), around 6.5 hrs 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.

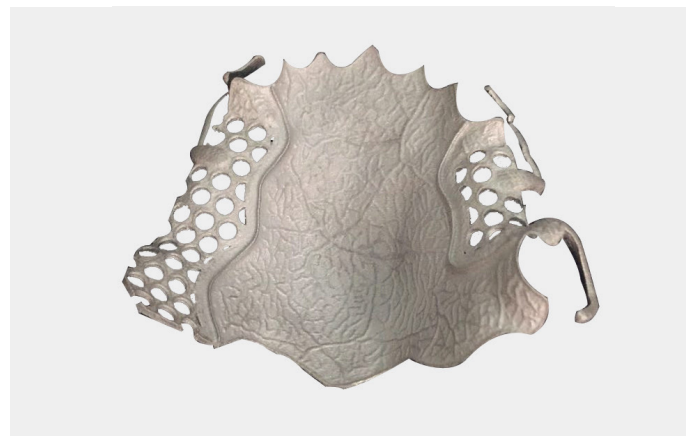
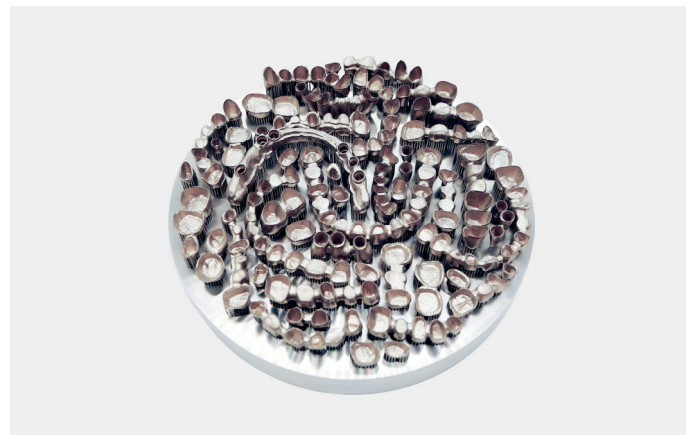
LOW OPERATION COST

- 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 properties 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 153 mm x 80 mm ³
Optical System	Fiber Laser, 200 W (single or dual-laser optional)
Spot Size	40-60 μm
Max Scan Speed	8 m/s
Building Speed ⁽¹⁾	Single laser : 5~20 cm ³ /h Dual laser : 8~35 cm ³ /h
Layer Thickness	200 W laser : 20 μm -50 μm
Material	Titanium Alloy, Cobalt Chrome.
Power Supply	220 V, 2.5 KW, 14 A, 50~60 Hz (Dual laser: 3.5 KW, 19 A)
Gas Supply	Ar/N ₂
Oxygen Content	≤100 ppm
Dimension (WxDxH)	1750 x 810 x 2190 mm ³
Weight	900 kg
Software	EP Control, EPatch
Input Data Format	STL or other Convertible File

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