



EP-M150

3D Printer

Metal Powder Bed Fusion



EP-M150

E-Plus 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.).

CONVENIENT OPERATION

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

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.

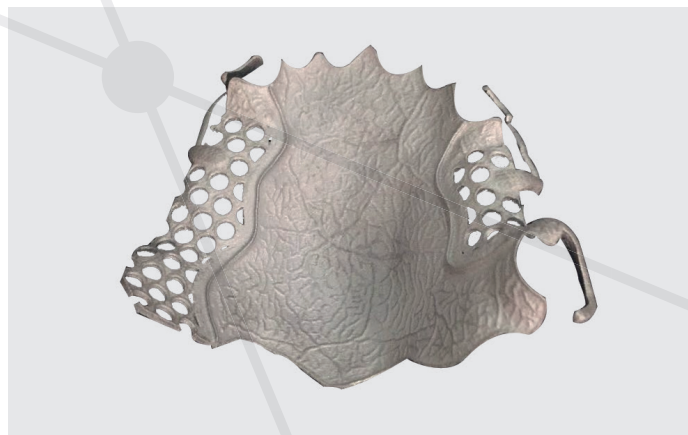
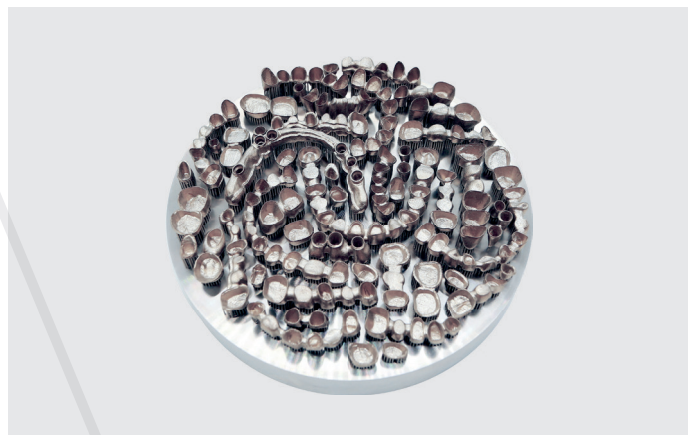
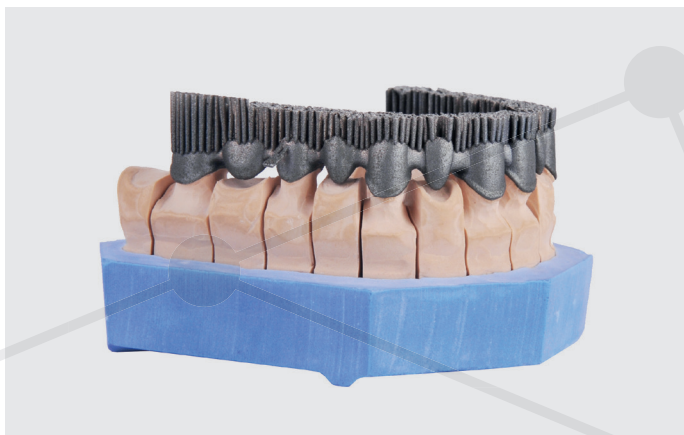
HIGH QUALITY & FINE DETAILS

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

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).

APPLICATIONS



TECHNICAL SPECIFICATIONS

EP-M150

Laser	Fiber laser, 200W
Build Volume	Φ 150mmx80mm
Focus Diameter	40~60μm
Scanning Speed	Up to 8m/s
Layer Thickness	20-50μm
Material	Titanium alloy, cobalt-chromium alloy
Gas Supply	Ar/N ₂ protection
Power	220V, 16A, 50~60Hz, 3.5kW
Dimensions (W x D x H)	1750mm x 800mm x 1830mm
Weight	Around 900kg
Software	Eplus 3D Print Software
Input Data	STL or other convertible file

* Notice: E-Plus 3D reserves the right to explain any alteration of the specifications and pictures.