E-Plus-3D®

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, 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 220crowns) , 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.nance.

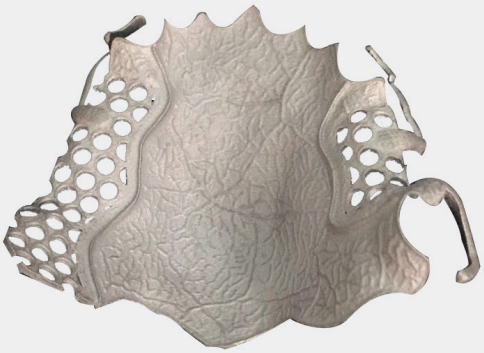
LOW OPERATION COST

- 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

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

APPLICATIONS



EP-M150 PARAMETER

Machine Model	EP-M150
Build Chamber (XxYxZ)	Φ 153mmx100mm^3
Optical System	Fiber Laser, 200W (single or dual-laser optional)
Spot Size	40-60μm
Max Scan Speed	8m/s
Building Speed (1)	Single laser : 5~20cm^3/h Dual laser : 8~35cm^3/h
Layer Thickness	200W laser : 20μm -50μm
Material	Titanium Alloy, Cobalt Chrome.
Power Supply	220V, 2.5KW, 14A, 50~60Hz （Dual laser: 3.5KW, 19A）
Gas Supply	Ar/N_2
Oxygen Content	⩽100 ppm
Dimension (WxDxH)	1750x810x2190mm^3
Weight	900kg
Software	EP Control, EPHatch
Input Data Format	STL or other Convertible File

Notice：Eplus3D reserves the right to explain any alteration of the specifications and pictures.