

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, likecrowns, bridges and partials. Featuring a short production time, low operation cost and high quality, the EP-M150 is an idealchoice 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.

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

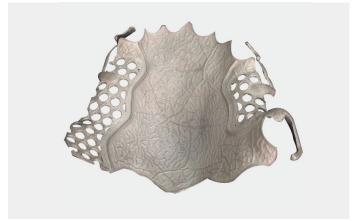
- The EP-M150 integrates more than 10 security technologies to enhance overall safety.
- · Working environment and real-time gas monitoring helps to ensure high equipment safety.

APPLICATIONS









EP-M150 PARAMETER

Machine Model	EP-M150
Build Chamber (XxYxZ)	Φ 153mmx80mm³
Optical System	Fiber Laser, 200W (single or dual-laser optional)
Spot Size	70 µ m
Max Scan Speed	8m/s
Building Speed (1)	Single laser : 5~20cm³/h Dual laser : 8~35cm³/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_2
Oxygen Content	≤100 ppm
Dimension (WxDxH)	1750x810x1830mm³
Weight	900kg
Software	EP Control, EPHatch
Input Data Format	STL or other Convertible File

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