E-Plus-3D

EP-S600

SLS 3D Printer Specialized for Orthotics

EP-S600

By adopting Polymer Powder Bed Fusion (PPBF), with max up to 420 x 380 x 600 mm building cylinder, EP-S600 ensures you the capability of high printing efficiency, fast scanning speed, large molding space, and low cost of use, fully meets the personalized needs of the rehabilitation & medical industry, which can be directly applied to personalized customization and production.

High Performance & Efficiency

- With building cylinder 420 x 380 x 600 mm, the machine can print almost all sizes of orthotics.
- Average printing time of a single orthotic is within 11 hours, one machine can manufacture 400-450 orthotics per year.
- Advanced and high-speed optical system perfectly matches the 55W CO_2 laser, with the scanning speed reaches 15 m/s.
- High material reuse rate and little generated waste, saves the printing materials in an effective way.

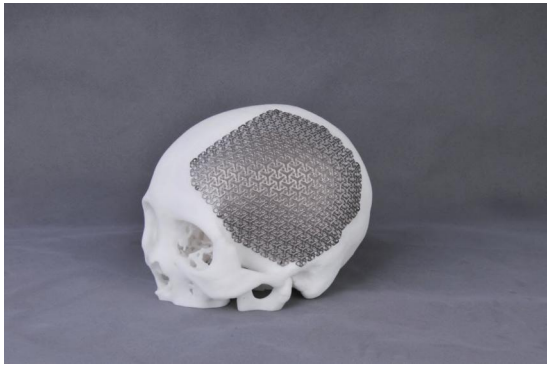
Intelligent Operation & User-friendly

- Visualized printing process and printing report automatic generation, the printing process can be tracked.
- Capability to print with one-click, convenient operation can be controlled remotely on the phone.

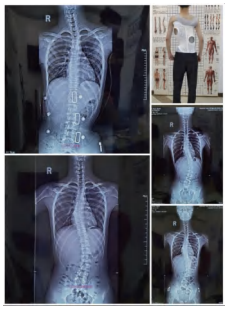
Safe & Reliable

- Dust-free process, whole process of picking up and powder processing is carried out in the powder cleaning platform.
- Gas in the cabin is treated by multi-stage filtration and adsorption to achieve harmless discharge.

Application



Positive Effect



EP-S600
PARAMETER

Machine Model	EP-S600
Building Volume	420 x 380 x 600 mm
Dimension	2480 x 1415 x 2160 mm
Material	PP and its composites
Machine Weight	1600 kg
Scanning Speed	Max. 15 m/s
Max. Chamber Temperature	130 °C
Power Supply	AC 380 V, 50 / 60 Hz, 16 A, 6.5 kW
Layer Thickness	0.1 - 0.3 mm
Laser Power	CO_2 Laser, 50 W and 120 W optional
OS System Support	Windows 7/ Windows 10
Thermal Field Control	Independent four-zone temperature control system
Temperature Regulation	Continuous real-time building surface temperature monitoring
Control Software	EPControl, EPHatch
Output Data Format	STL .OBJ .STEP or other convertible file

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