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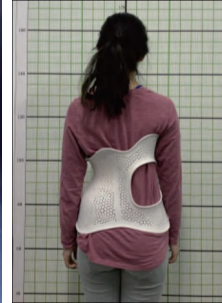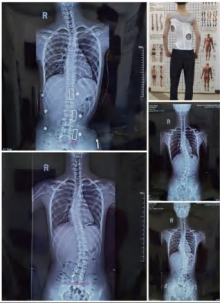
## « Safe & Reliable
· Dust-free process, whole process of picking up and powder processing is carried out in the powder cleaning platform.
· Gas in the cabin is treated by multi-stage filtration and adsorption to achieve harmless discharge.

# 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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