

Perfactory 4 Digital Shell Printer Series

EnvisionTEC's Perfactory 4 Digital Shell Printer (DSP) can be used for large scale production due to its large build area and high resolution. Fitted with the Enhanced Resolution Module (ERM), resolutions down to 42 µm in the X and Y are possible. The micro mechanics can achieve as little as 15 µm in Z (material dependent), making it one of the highest resolution systems in the industry. This accuracy does not come at the sacrifice of speed. The P4 DSP can build a tray of hearing aid shells in 2-3 hours (1-2 with high speed module) as the DLP process cures all parts simultaneously. The resolution is transferred into the highest quality surface finish achievable by any rapid manufacturing process. This is just one of the reasons this machine is a firm customer favorite with leading hearing aid manufacturers.

Machine Properties ²	P4 DSP	P4 DSP XL
Build Envelope Inches (mm)	6.3 x 3.9 x 7.09/9.06 (160 x 100 x 180/230 mm)	7.6 x 4.7 x 7.09/9.06 (192 x 120 x 180/230 mm)
Native Voxel Size XY	0.0033" (83 µm)	0.0039" (100 µm)
ERM Voxel Size XY	0.0017" (42 µm)	0.0020" (50 µm)
Dynamic Voxel Resolution in Z	0.0010" (25 µm) to 0.0050" (150 µm)	0.0006" (15 µm) to 0.0060" (150 µm)
Projector Resolution	1920 x 1200 Pixels	
Data Handling	STL	
Warranty	1 year included	

EnvisionTEC Material Group
Perfactory Dental Materials

System Properties

- Economic material use with no vat
- Minimized components make the system user serviceable
- Low acquisition costs
- Delivered and installed with all relevant software to enable automatic support generation and perfect model production
- Material changeover can be done quickly and easily

Footprint (L x W x H): 29" x 19" x 53" (73 x 48 x 135 cm)
 Weight: 199 lbs (85 kg)
 Electrical Requirements: 100-120V, 5.4 Amp or 220-240V, 2.4 Amp

¹ Learn more at EnvisionTEC.com/printmypart

² Specifications are subject to change without notice

