



Desktop Digital Shell Printer (DDSP) PLUS Series

EnvisionTEC's Perfactory Desktop Digital Shell Printer (DDSP) PLUS is a low cost, easy maintenance and user friendly decentralized rapid manufacturing system for hearing aid applications. Using state-of-the-art Digital Light Processing (DLP®) from Texas Instruments®, the DDSP PLUS System can produce up to 13-15 ear shells or ear molds per batch of production cycle in record time. The DDSP System can use a variety of biocompatible materials from transparent to opaque and skin colors.

Machine Properties *	Perfactory® Mini DDSP	Perfactory® DDSP
Build Envelope	2.36" x 1.77" x 3.15" (60 x 45 x 80 mm)	3.94" x 2.95" x 3.15" (100 x 75 x 80 mm)
Projector Resolution	1400 x 1050 pixels	1400 x 1050 pixels
Native Voxel Size XY	0.0017" (43 µm)	0.0030" (71 µm)
Dynamic Voxel Thickness Z (user defined and material dependent)	0.0010" (25 µm) to 0.0040" (100 µm)	0.0010" (25 µm) to 0.0060" (150 µm)
Data Handling	STL	
Warranty	1 Year Included	
Lens System	Fixed Focal UV Lens	Fixed Focal UV Lens

* Specifications are subject to change without notice. ** A voxel is a volumetric pixel.

Materials Available	Properties	Colors Available
E-Shell 200® Series	Opaque for Ear Shells	Pink, Tan, Mocca, Beige, Cocoa, Brown
E-Shell 300® Series	Transparent for Ear Molds	Clear, Rose, Light Brown, Brown, Clear
E-Shell 300® Series	Opaque for Ear Shells	Red, Blue, Black, White
E-Shell 500® Series	Soft for Ear Shells and Tips	Clear, Pink
E-Shell 600®	Transparent for Ear Molds	Clear
E-Shell 3000® Series	Opaque for Ear Shells	Red, Blue

System Properties

- » Unbeatable price-to-performance ratio
- » Perfect for the small to medium company looking to fulfill their production requirements
- » Has the ability to run 24 hour production and can build 18 shells/14 ear molds in a variety of materials
- » Wide choice of high performance materials available
- » Changeover between materials is quick and easy

Footprint (L x W x H): 17.72" x 30.71" x 17.72"
(45 x 78 x 45 cm)

Weight: 77.16 lbs (35 kg)

Electrical Requirements: 100-120V, 2 Amps
220-240V, 1 Amp

Patents Pending



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