Perfactory®

Perfactory® **Vida Hi-Res DSP**

The Perfactory Vida Hi-Res DSP (Digital Shell Printer) is a low cost, high resolution, easy to maintain and user friendly 3D printer for the production of high quality hearing aid shells and molds. The Vida Hi-Res DSP boasts a high resolution projector running at 1920 x 1080 pixel resolution with custom UV optics. Once the print job is preprocessed on a computer housing the Perfactory software suite, it is transferred to the machine via Ethernet or USB and can run independently without the need for continuous connection to the preprocessing computer. The surface quality of the printed models allows for production with no signs of stairstepping, unlike the visibility when using competing technologies. The 50 µm resolution of the Perfactory Vida Hi-Res DSP allows for the highest quality surface finishes achievable by any rapid manufacturing process.

Machine Properties *	Perfactory® Vida DSP 3D Printer
Build Envelope	3.54" x 1.97" x 3.94" (90 x 50 x 100 mm)*
XY Resolution	0.002" (50 µm)*
Dynamic Z Resolution**	0.001" to 0.006" (25 µm to 150 µm)*
Light Source	Industrial UV LED
Data Handling	STL
Warranty	1 year back to factory including parts and labor

* Specifications are subject to change without notice. **Material Dependent.

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-Silicone	Silicone otoplastics by cocoon molds	Orange/Red
E-Shell® 450	Crystal clear	Clear
E-Shell® 451	Transparent black	Carbon Black

System Properties

» Compatible with 3Shape design software.
» Any STL file of a model designed from an impression or scanner can be printed
» Capable of printing ear shells, ear molds, tips, cocoon molds for silicone otoplastics, and more
» Changeover between materials is quick and easy with no waste.
» Plug and play with an easy to use software interface.
» Very few moving parts guarantees a strong and reliable production system.

Footprint (L x W x H): 15.55" x 13.75" x 31" (39.5 x 35.0 x 78.7 cm)
Weight: 75 lbs (34 kg)

EnvisionTEC GmbH
Brüsseler Straße 51 • D-45968
Gladbeck • Germany
Phone +49 2043 9875-0
Fax +49 2043 9875-99

EnvisionTEC, Inc.
15162 S. Commerce Dr
Dearborn, MI 48120 • USA
Phone +1-313-436-4300 Fax
+1-313-436-4303

envisiontec.com
info@envisiontec.com