



Micro DSP Series

The Perfactory® Micro DSP is the smallest desktop 3D printer in size with the highest resolution. It is a low cost, easy maintenance and user friendly personal desktop 3D manufacturing system, designed for producing high quality ear shells and ear molds. Using state-of-the-art Direct Light Projection technology from Texas Instruments® coupled with LED performance, the Perfactory® Micro DSP System produces highly detailed physical 3D duplications of digital ear shells and molds. The Perfactory® Micro DSP can produce 2-4 ear shells or ear molds per build in under two hours. It is optimized to build in a choice of our two most popular materials, opaque E-Shell 200 Pink for ear shells and transparent E-Shell 300 Clear for ear molds. Utilizing a built-in USB connection, the Perfactory® Micro DSP can connect directly to your personal PC workstation and works just like a personal desktop printer.

Machine Properties *	Micro DSP S	Micro DSP M	Micro DSP L
Build Envelope	40 x 30 x 100 mm	50 x 37.5 x 100 mm	60 x 45 x 100 mm
Resolution in X and Y	39 µm	49 µm	58 µm
Dynamic Voxel Resolution in Z (Material Dependent)**	25 - 150 µm	25 - 150 µm	50 - 100 µm
Light Source	LED	LED	LED
Data Handling	STL	STL	STL
Warranty	1 year in factory parts and labor	1 year in factory parts and labor	1 year in factory parts and labor

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

Materials Available	Ideal for
E-Shell 200 Series	Skin Tone Opaque Ear Shells
E-Shell 300 Series	Translucent Ear Molds
E-Shell 300 Series	Opaque for Ear Shells
E-Shell 600	Transparent for Ear Molds
E-Shell 3000	Next Generation Opaque for Ear Shells
E-Silicone	Clear Eggshell Like for Soft Silicone Injection

System Properties

- » Easy handling through pre-adjusted material modules
- » Very few moving parts and minimal consumable components guarantee a strong and reliable system
- » Material changeover can be done quickly and easily

Footprint (L x W x H): 9" x 8" x 24"
(23 x 18 x 58 cm)

Weight: 28.66 lbs (13 kg)

Electrical Requirements: 100-120V, 3 Amps
220-240V, 2 Amps

Patents Pending



Altair Consulting

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