Perfactory®

Perfactory® 4 Mini XL with ERM

EnvisionTEC's Perfactory® 4 Mini XL with ERM is a low cost, easy maintenance and user friendly 3D rapid prototype manufacturing system. Using state-of-the-art Direct Light Projection technology from Texas Instruments®, the Perfactory® 4 Mini XL produces the finest detail in the shortest period of time. It creates 3D models that range from the conceptual to the fully functional.

Machine Properties *	Perfactory® 4 Mini XL with ERM	
Lens System	Lens f = 2.36" (60 mm)	Lens f = 2.95" (75 mm)
Build Envelope (Factory Adjustable at Time of Order)	4.5" x 2.8" x 9.1" (115 x 72 x 230 mm)	3.3" x 2.1" x 9.1" (84 x 52.5 x 230 mm)
Projector Resolution	1920 x 1200 Pixels	
Native Pixel Size	0.0023" (60 µm)	0.0017" (44 µm)
Pixel Size With ERM	0.0012" (30 µm)	0.0009" (22 µm)
Dynamic Voxel Resolution in Z (User Adjustable and Material Dependent)**	0.0006" (15 µm) to 0.006 (150 µm)	
Data Handling	STL	
Warranty	1 Year Included	

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

Materials Available	Ideal for
ABStuff	General purpose similar to ABS plastic
ABflex	General purpose similar to ABS plastic with flexible characteristics
EC500	Casting
HTM Series	High temperature molding, architectural models, plating
LS600	General purpose
Photosilver	High temperature applications with fine detail
PIC 100	Casting
R5/R5 Gray/R11	General purpose, master models
RCP30/RC31	High temperature applications

System Properties

- » Build speed in constant through the build up to 1" (25 mm) at 0.0039" (100 µm) voxel thickness
- » Economic material use with no vat
- » Very few moving parts and minimal consumable components make the system user serviceable
- » Changeover between materials is quick and easy

Footprint (L x W x H): 29" x 19" x 53" (73 x 48 x 135 cm)
Weight: 188 lbs (85 kg)
Electrical Requirements: 100-120V, 5.4 Amps
220-240V, 2.4 Amps
Patents Pending

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