Perfactory®

Perfactory® 4 Mini with ERM

EnvisionTEC's Perfactory 4 Mini 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 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 with ERM	
Lens System	Lens f = 2.36" (60 mm)	Lens f = 2.95" (75 mm)
Build Envelope (Factory Adjustable at Time of Order)	2.5" x 1.6" x 8.66" (64 x 40 x 220 mm)	1.5" x .9" x 8.66" (38 x 24 x 220 mm)
Projector Resolution	1920 x 1200 Pixels	
Native Pixel Size	0.0013" (33 µm)	0.0007" (19 µm)
Pixel Size With ERM	0.0007" (17 µm)	0.0004" (10 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, ABflex	General purpose similar to ABS plastic
ABS Flex (Requires factory fitted UV Option to use these materials	General purpose similar to ABS plastic with flexible characteristics
EC500, EC3000	Casting
HTM Series	High temperature molding, architectural models, plating
LS600, WIC100G, WIC300, E-Shell® 200	General purpose
Photosilver	High temperature applications with fine detail
PIC 100, EPIC	Casting
R5, R5 Gray, R11	General purpose, master models
RCP30, RC31, RC70, RC90	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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