



Perfactory® 4 Standard Series with ERM

EnvisionTEC's Perfactory 4 Standard Series 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 Standard Series 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 Standard	Perfactory® 4 Standard XL
Build Envelope	6.3" x 3.9" x 7.09"/9.06" (160 x 100 x 180/230 mm)	7.6" x 4.7" x 7.09"/9.06" (192 x 120 x 180/230 mm)
Projector Resolution	1920 x 1200 Pixels	1920 x 1200 Pixels
Native Pixel Size	0.0033" (83 µm)	0.0039" (100 µm)
Pixel Size With ERM	0.0017" (42 µm)	0.0020" (50 µm)
Dynamic Voxel Resolution in Z (material dependent)**	0.0010" (25 µm) to 0.0059" (150 µm)	0.0010" (25 µm) to 0.0059" (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
HTM Series	High temperature molding, architectural models, plating
LS600, EC100, WIC 100 G, E-Shell® 200 Series	General purpose
PIC 100	Casting
R5, R5 Gray, R11	General purpose, master models
RC31	High temperature applications
Photosilver, RCP 30, RC70, RC90 (Not available on XL)	High temperature applications with fine detail
WIC300 (Not available on XL)	General Purpose

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
- » Models are suitable for direct manufacturing through rapid casting
- » A choice of high quality materials are readily available
- » Material changeover can be done quickly and easily

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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