



Perfactory® 3 Mini Multi Lens with ERM

EnvisionTEC's Perfactory® Mini Multi Lens 3D Printer is a low cost, easy maintenance and user friendly 3D Rapid Prototype Manufacturing System. Using state of the art Digital Light Processing® (DLP) technology from Texas Instruments®, the Perfactory System produces the finest detail in the shortest period of time to create 3D models that range from the conceptual to the fully functional.

Machine Properties *	Perfactory® 3 Mini Multi Lens with ERM		
Lens System	Lens f = 2.36" (60 mm)	Lens f = 2.95" (75 mm)	Lens f - 3.35" (85 mm)
Build Envelope	3.31" x 2.48" x 9.06" (84 x 63 x 230 mm)	2.32" x 1.73" x 9.06" (59 x 44 x 230 mm)	1.73" x 1.3" x 9.06" (44 x 33 x 230 mm)
Build Envelope Increased Productivity	3.59" x 2.66" x 9.06" (90 x 67.5 x 230 mm)	2.48" x 1.86" x 9.06" (63 x 47.25 x 230 mm)	N/A
Native Voxel Size	0.0024" (60 µm)	0.0017" (42 µm)	0.0013" (32 µm)
ERM Voxel Size	0.0012" (30 µm)	0.0008" (21 µm)	0.0006" (16 µm)
ERM Voxel Size Increased Productivity	0.0013" (32 µm)	0.0009" (22 µm)	N/A
Dynamic Voxel Thickness Z	0.0006" (15 µm) to 0.0006" (150 µm) Pre-adjusted by each material module		

* 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
- » Quick and easy material changeover

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

