

# PERFACTORY®

## Perfactory® 4 Mini XL with ERM

August 2011

The Perfactory® 4 Mini **XL** with ERM is a low cost, easy maintenance and user friendly three dimensional Rapid Prototype Manufacturing System. Using state of the art Direct Light Projection technology from Texas Instruments®, the Perfactory® 4 Mini **XL** with ERM System produces the finest detail in the shortest period of time. The Perfactory® 4 Mini **XL** System creates three-dimensional models that range from the conceptual to the fully functional.

Machine Properties *	Perfactory®4 Mini XL with ERM
Build Envelope	4.5" x 2.8" x 9.1" (115 x 72 x 230 mm)
Projector Resolution	1920 x 1200 pixels
Native Pixel Size	0.0024" (60 µm)
Pixel Size with ERM	0.0012" (30 µm)
Dynamic Voxel Resolution in Z (material dependent)**	0.00098" (25 µm) to 0.0060" (150 µm)

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

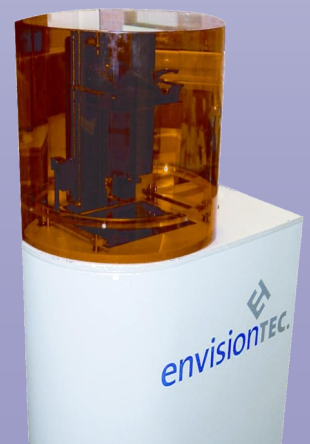
### System Data Handling

Utilizing a built in Ethernet interface, the Perfactory® 4 Mini **XL** with ERM System can connect directly to a PC workstation or be integrated into a network. The Perfactory® 4 Mini **XL** with ERM System has an embedded PC, which allows the system to work independently from the pre-processing workstation. The Perfactory® 4 Mini **XL** with ERM System can be remotely monitored from any computer on the network using the communication software that is integrated into the Perfactory® Software Suite. Any STL data format can easily be converted into voxel data using the Perfactory® Software Suite and then imported into the Perfactory® 4 Mini **XL** with ERM System to be built.

### System Properties

- Build speed is constant through the build up to 1" (25 mm) per hour at 0.0039" (100µm) voxel thickness
- All Perfactory® materials can be processed
- Economic material use, no vat, and a supply on demand material feed system.
- Very few moving parts and minimal consumable components
- Minimized components make the system user serviceable
- Models are suitable for direct manufacturing through Rapid Casting
- A choice of high quality materials are readily available
- Low acquisition costs

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



The logo for envisionTEC, featuring a stylized 'E' symbol above the word 'envisionTEC' in a bold, sans-serif font.

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