

# Xtreme Hi-Res 3SP®



EnvisionTEC's Xtreme Hi-Res 3SP large format 3D printer allows for production of exceptionally large 3D parts, built at fast build speeds without sacrificing surface quality and part accuracy. Xtreme Hi-Res 3SP 3D Printer uses EnvisionTEC's 3SP (Scan, Spin, and Selectively Photocure) technology to quickly 3D print highly accurate parts from STL files regardless of geometric complexity. The Xtreme Hi-Res 3SP 3D Printer is delivered and installed with all the relevant software to enable automatic generation of supports and perfect model production. The surface quality of the printed models show no signs of stairstepping on the inner and outer surfaces. The reliability of the light source and the high speed productivity of these large format 3D printers make them some of the most competitive 3D printers on the market today.

Machine Properties *	Xtreme® 3SP®
Build Envelope	8.5" x 15" x 14" (216x 381 x 356 mm)
Resolution in X and Y	0.003" (75 µm)
Dynamic Voxel Resolution in Z (User Adjustable and Material Dependent)**	0.002" - 0.004" (50 - 100 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
ABS Flex 3SP® (Black, White)	Models similar to ABS plastic with flexibility characteristics
ABS Flex Plus 3SP®	Models similar to ABS plastic with flexibility characteristics
ABS Tough 3SP®	Rigid, stable models similar to those made with ABS plastic
ABS TRU 3SP®	Rigid, stable models similar to those made with ABS plastic
E-Tool 3SP®	3D printed molds for thermoplastic injection molding
E-Denstone 3SP®	General purpose, high temperature molding, concept models
E-Glass 3SP®	Strong, clear material with flexible capabilities

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## System Properties

- » A single material is used for both build and easily removable, partially cured perforated supports
- » Very few moving parts make the system user-serviceable
- » Low part cost due to minimal material waste
- » Produce everything from concept models to functional parts
- » Can connect directly to a PC workstation or be integrated into a network for pre-processing of the job files and for remote monitoring
- » The system has a stand-alone PC, which allows it to work independently from the pre-processing workstation

Footprint (L x W x H): 65" x 65" x 65"  
(165 x 165 x 165 cm)  
Weight: 890 lbs (404 kg)

