

Vector 3SP®



EnvisionTEC's Vector 3SP 3D printer allows for production of large 3D parts at fast build speeds without sacrificing the surface quality and part accuracy that EnvisionTEC is known for. The Vector 3SP 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 Vector 3SP 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 Vector 3SP includes a build envelope that is 29% larger than the ULTRA 3SP with increased speed capabilities making it an attractive solution for a wide range of manufacturing applications.

Machine Properties*	Vector 3SP®
Build Envelope	11.8" x 7.9" x 7.9" (300 x 200 x 200 mm)
Resolution in X and Y	0.004" (100 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 3SP Flex (Black, Gray, White)	Models similar to ABS plastic with flexibility characteristics
ABS 3SP Tough	Rigid, stable models similar to those made with ABS plastic
ABS TRU 3SP	Models similar to ABS plastic for functional parts
E-Denstone 3SP	General purpose, high temperature molding, concept models
E-Glass 3SP	Strong, clear material with flexible capabilities
E-Tool 3SP	Molds for thermoplastic short run injection molding

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 with a 15" touchscreen monitor

Footprint (L x W x H) 36" x 36" x 60"
(91 x 91 x 152 cm)

Weight: 423 lbs (192 kg)

Electrical Requirements:
220 Volt, Single Phase, 5 Amps
110 Volt, Single Phase, 10 Amps



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