



ULTRA®

ULTRA® 3SP™ Ortho

EnvisionTEC's ULTRA® 3SP™ Ortho 3D Dental Printer uses groundbreaking 3SP™ (Scan, Spin, and Selectively Photocure) technology to quickly 3D print highly accurate dental models for use in producing high quality orthodontic appliances. The surface quality of the printed models allows for a clear aligner to be produced with no signs of stairstepping, which is visible when using competing technologies. The models produced are very stable over time and have negligible water absorption. The model material is a high temperature resistant material which allows for the production of a clear aligner without any distortion in the model during vacuum forming under heat.

Machine Properties *	ULTRA® 3SP™ 3D Dental Printer
Build Envelope	10.5 x 6.9" x 3" (266 x 175 x 76 mm)
Resolution in X and Y	0.004 (100 µm)
Dynamic Resolution in Z (User Adjustable and Material Dependent)**	0.002" - 0.004" (50 - 100 µm)
Data Handling	STL
Warranty	1 Year

* Specifications are subject to change without notice. ** Voxel is a Volumetric Pixel

Materials Available	Ideal for
E-Denstone 3SP™ Peach	Dental models for creating orthodontic appliances
Ortho Tough 3SP™	Orthodontic models for suck-down method
ABS 3SP™ White	Models similar to ABS plastic

System Properties

- » Simple user interface with built-in touch screen
- » Very few moving parts and minimal consumable components guarantee a strong and reliable system
- » Office friendly plug-and-play operation with a built in touch screen
- » Low part cost due to minimal material waste
- » Remote notification when job is complete
- » Lowest operational costs in its class

Footprint (L x W x H): 29" x 30" x 46" (74 x 76 x 117 cm)

Optional Stand (L x W x H): 29" x 30" x 25" (74 x 76 x 64 cm)

Weight: 198 lbs (89.8 kg)

Electrical Requirements: 100-127 VAC, 50/60 Hz, single phase, 8A
200-240 VAC, 50 Hz, single phase, 4A

Patents Pending



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