

ULTRA 3SP Ortho

Let us print your part!¹

EnvisionTEC's ULTRA 3SP Ortho 3D printer uses groundbreaking 3SP (Scan, Spin, and Selectively Photocure) technology to quickly 3D print highly accurate 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. 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 ² | ULTRA 3SP Ortho |
|---------------------------------|---|
| Build Envelope | 10.5 x 6.9 x 3 in. (266 x 175 x 76 mm) |
| Resolution in X & Y | 0.004" (100 µm) |
| Dynamic Voxel Resolution in Z | 0.002" - 0.004" (50 - 100 µm) User adjustable and material dependent |
| Data Handling | STL |
| Warranty | 1 Year Included |

| EnvisionTEC Material Group |
|--|
| 3SP Materials for use with stretched assemblies (PSA, FSA) |

System Properties

- Single material used for both build and supports
- Easily removable, partial cured perforatec supports
- Very few moving parts make the system user-serviceable
- Office friendly plug-and-play operation with a built-in touch screen
- Low part cost due to minimal material waste
- Produce everything from concept models to functional parts
- Layerless technology with no stair stepping on inner and outer surfaces
- Quiet operation



Patents Pending

Footprint (L x W x H): 29" x 30" x 46" (74 x 76 x 117 cm)
 Weight: 198 lbs (89.8 kg)
 Electrical Requirements: 100-120V, 8 Amp or 220-240V, 4 Amp

¹ Learn more at EnvisionTEC.com/printmypart
² Specifications are subject to change without notice