

ULTRA²

The Benchmark in Dental Model and Partial Printing



The ULTRA² is envisionTEC's small to medium lab size printer. It is very efficient in printing partials in EC1000 with the capability of up to 20 partials in less than three hours. The ULTRA² can also print up to 15 full arch models or 30 full quads in less than three hours using the silica-filled gypsum-like material RC31. The ULTRA² can produce parts in any of the materials available from envisionTEC from any STL file. EnvisionTEC has optimized the design parameters to perform with 3shape and DentalWings software packages in particular to ensure optimal results when building on the ULTRA².

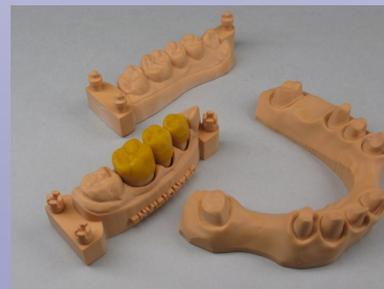
Machine Properties *	ULTRA ²
Build Envelope XYZ	9.5" x 5.5" x 8" to 10.5" x 6.5" x 8" (4" optional depth) (241 x 140 x 203 mm) to (267 x 165 x 203 mm (102 mm))
Voxel** Resolution in X & Y	Up to .0008" (21 µm) with pixel tuning
Dynamic Voxel Resolution in Z	0.0006" - 0.0039" (15 - 100 µm) User adjustable and material dependent
Projector Resolution	2560 x 1600 pixels

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

System Properties

- A single material is used for both build and support
- Easily removable partially cured perforated supports
- Very few moving parts make system user serviceable
- Office friendly plug-and-play operation with a built-in touch screen
- Extremely reliable system utilizing proven DLP technology
- A choice of high quality materials are available that simulate gypsum
- Produce everything from concept models to functional parts
- Layerless technology with no stair stepping on inner and outer surfaces

Electrical Requirements:
 100-127 VAC, 50/60 Hz, single phase, 8A
 200-240 VAC, 50 Hz, single phase, 4A
 Footprint 29" x 30" x 46" (74 x 76 x 117 cm)
 Weight 198 lbs (90kg)
 Patents Pending



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