



Dental



Continuous Digital Light Manufacturing (cDLM)

Created by one of the most experienced teams of engineers in 3D printing, the Envision One cDLM is the largest, most advanced desktop 3D printer ever created. It is bigger, faster, easier to use and more innovative than all the other 3D printers on the market.

Designed to take you from beginner to expert in a single machine, the Envision One cDLM is the only professional 3D printer you'll ever need. EnvisionTEC delivers an end to end solution including design software parameter optimization to deliver accurate parts every time with minimal supports.

Perfect for 3D printing orthodontic applications as well as full dentures, the Envision One cDLM is capable of printing 6 orthodontic arch models in under 15 minutes.

Machine Properties¹

Build Envelope: 180 x 101 x 175 mm (7.09 x 3.98 x 6.89 in.)

Build Speed: Up to 45 mm/hour, material dependent

Native XY Resolution: 93 µm

XY Resolution with Contour Gray Scaling: 60 µm

Dynamic Z Resolution²: 50 µm to 150 µm

Data Handling: STL

Warranty: 1 year back to factory included

Available Materials: E1-Model Light, E1-Dent 400 MFH C&B, E1-Denture 3D+, E1-Guide Tint, E1-Guard, E1-Model Beige, E1-RigidForm Beige, Press-E1-Cast

System Properties

- Layerless technology delivers super smooth models
- 75% less supports compared to regular DLP printers
- Domeless technology delivers the highest accuracy in Z
- High-resolution industrial projector with glass UV optics
- LED light source at 385nm wavelength for higher accuracy on clear materials and crisper details across all parts
- Dual linear slides provide superior stability during build process, eliminating any shifting in parts

Footprint (L x W x H): 15.4 x 16.93 x 25.02 in. (39.1 x 43 x 63.6 cm) Weight: 70 lbs (32 kg)

Electrical Requirements: 110/220 VAC 50/60 HZ 5A

¹Specifications are subject to change without notice ²Material dependent



Patents Pending

envisionTEC