



## Mechanical



### 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 a wide variety of 3D printing applications, the Envision One cDLM is capable of printing up to 80 mm/hour, material dependent.

### Machine Properties<sup>1</sup>

**Build Envelope:** 180 x 101 x 175 mm (7.09 x 3.98 x 6.9 in.)

**Build Speed:** Up to 80 mm/hour, material dependent

**Native XY Resolution:** 93 µm

**XY Resolution with Contour Gray Scaling:** 60 µm

**Dynamic Z Resolution<sup>2</sup>:** 25 µm to 150 µm

**Data Handling:** STL

**Warranty:** 1 year back to factory included

**Available Materials:** E-RigidForm Amber, E-RigidForm Charcoal

### 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 UV glass
- LED light source at 385nm wavelength for higher accuracy on clear parts and crisper details across all parts.
- Dual linear slides provide superior stability during build process, eliminating any shifting in parts



Patents Pending

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

<sup>1</sup>Specifications are subject to change without notice <sup>2</sup>Material dependent

