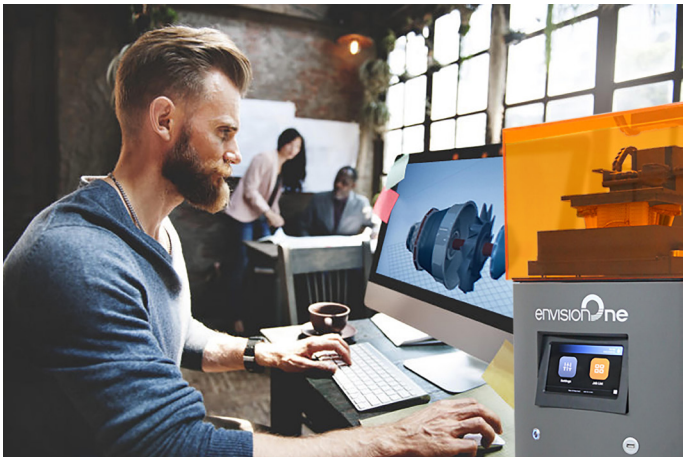
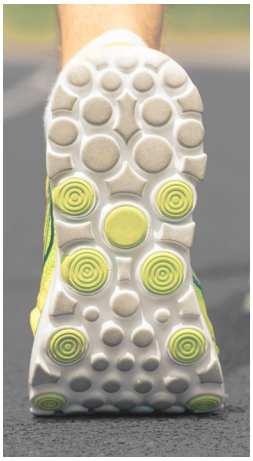
HT (High Temperature)





Continuous Digital Light Manufacturing (cDLM)

Created by one of the most experienced teams of engineers in 3D printing, the Envision One cDLM HT is an advanced version of the largest, most advanced desktop 3D printer ever created. Utilizing a highly accurate infared heating system for the resin in the material tray and a heated build platform, the Envision One HT delivers the first commercial Continuous Digital Light Manufacturing (cDLM) system that allows for the processing and 3D printing of a new generation of chemistry that promises to deliver end use parts. EnvisionTEC delivers an end to end solution including design software parameter optimization to deliver accurate parts every time with minimal supports.

Machine Properties*

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

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

Native XY Resolution: 93 µm

XY Resolution with Contour Gray Scaling: 60 µm

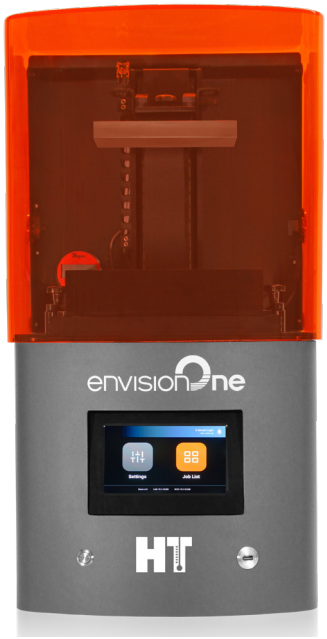
Dynamic Z Resolution[2]: 50 µm to 150 µm

Build Platform Temperature: Adjustable from room temperature to 100°C

Material Tray Resin Temperature: Adjustable from room temperature to 75°C

Data Handling: STL

Warranty: 1 year back to factory included



Patents Pending

System Properties

- Closed loop temperature controller
- 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

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
*Specifications are subject to change without notice

envisionTEC