



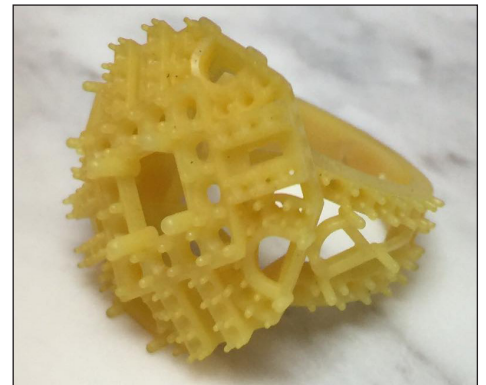
Florida jeweller switches to EnvisionTEC's cDLM for increased speed and accuracy

Isaac's Fine Jewelry is owned and operated by Isaac Cohen. Isaac who is based in Boca Raton, Florida has been in the jewelry industry for over 30 years providing the highest quality designs and bespoke items for his discerning customers.

Why 3D Printing?

Prior to 3D printing, Isaac was using traditional hand-carved waxes or service bureaus to build expensive prototypes. The hand-carved wax was hard to manage, with a great deal of skill required to achieve even close to a consistent, symmetrical shape. Isaac discovered other jewellers were starting to use CAD and 3D printing. Realising its benefits and that it was the future, he initially embraced 3D by purchasing a Formlabs branded machine and materials in June 2015.

Digital was the way to go, it was first faster and second resulted in better service for the client. Digitalisation allowed him to quickly transfer the hand-sketched concept designs that he'd discussed with his client into CAD. Then, using the 3D Printer he could quickly produce prototypes for the customer to see. Once they were happy the final designs could be printed and sent to the casting house. After casting, Isaac buffs the piece to a mirror shine, sets the stones and final polishes it prior to presentation.



Isaac Cohen produces intricate jewelry on his cDLM.



The better the castable print, the less finishing required and the better the result for the customer.



"Just look at the amazing speed in which the Vida HD cDLM prints each layer. This printer is a game changer not only in speed but accuracy as well!"
- Isaac Cohen

Isaac Cohen

Industry:
Jewelry

Machines:
Vida HD cDLM

Materials :
Easy Cast 2.0 C

Why EnvisionTEC?

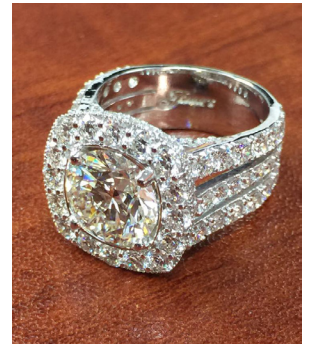
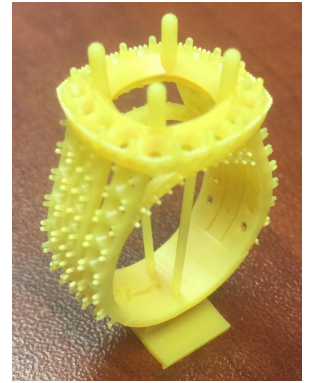
After a number of years using the Formlabs machine Isaac saw the Vida HD cDLM from EnvisionTEC, and immediately saw the difference that the industry leading machine could bring to his customers.

Isaac said: *"The Formlabs machine was a good starting point and proved that the 3D concept worked. But having seen the cDLM technology in action I realised it was time to step up and upgrade. The Vida HD cDLM 3D printer and Easy Cast material provide both a superior finish and exceptionally fast prints, that outstrips any of its rivals."*

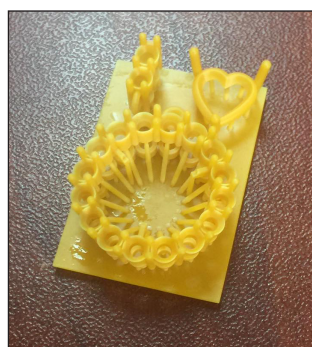
Isaac now produces rings, pendants and other jewelry in a fraction of the time of traditional methods and his previous 3D printer. The Vida HD cDLM provides a large build area allowing the production of large items such as bangles, and in addition to its exceptional speed, provides the best surface finish in the market today. EnvisionTEC's combination of 3D Printers and its range of exclusive materials provides Isaac with a real competitive edge.

EnvisionTEC Materials, the perfect choice for jewelry

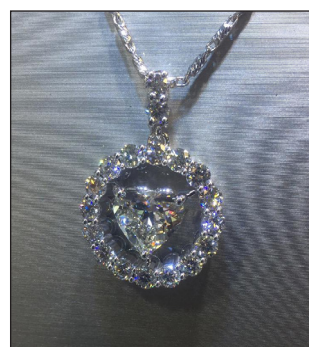
- **EC500** - A castable material with moderate wax levels for 3D printing heavier jewelry pieces of up to 20 grams finish weight.
- **WIC100G** - A popular value material in the EnvisionTEC portfolio. Containing 20% powder wax content.
- **RC Series** - A series of high-temperature resins for building tough and stiff parts at very high resolutions
- **PIC 100 Series** - A popular production casting material, allowing for exceptional detail and surface finish. PIC is recommended for pieces up to 5 grams finish weight.
- **QView** - A resin that is ideal for providing fast design verification models.
- **Easy Cast 2.0 C** - A breakthrough material for the high-speed printing of a castable photopolymer with the highest wax content available in 3D printing.
- **EPIC** - A 3D printing material that contains 8% liquid wax for lower thermal expansion during burnout.
- **HTM140 V2** - A high temperature molding material for producing non-metal masters.
- **EC3000** - A high wax content material that delivers exceptionally crisp details and a smooth surface finish.
- **Photosilver** - A high temperature resistant material for the production of vulcanized rubber molds.



From CAD.....



To Print.....



To Casting and Finishing.....

About EnvisionTEC

EnvisionTEC is a leading global provider of professional-grade 3D printing solutions. Founded in 2002 with its pioneering commercial DLP printing technology, EnvisionTEC now sells a variety of printer configurations based on six distinct technologies that build objects from digital design files. The company's premium 3D printers serve a variety of medical, professional and industrial markets, and are valued for precision, surface quality, functionality and speed.

"The Vida HD cDLM 3D printer and materials provide both a superior finish and exceptionally fast prints, that outstrips any of its rivals." - Isaac Cohen

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