

Custom Jewelry Designing

Custom designed jewelry came into existence as far back as the 1800s. In some cases today, some of these old techniques have been modified and are still being used. However, after the introduction of computer technology, and along with a technique called Computer Aided Design, custom designed jewelry has a new standard or level. With the help of CAD and Computer Aided Manufacturing, designs that were not even imagined, can now be created with ease. Along with excellent designs, using these techniques has helped to provide customers with more choices of design and ultimately higher quality products.

Are you familiar with the process of making custom designed jewelry? This process is called lost wax casting. In this process, the experts use small knives and scalpels to make a cut out of the jewelry from the wax to give it its shape. After that, the replica or the model is poured in a flask, and it is filled with plaster that is known as investment. Then it is allowed to dry, and once the model hardens, it looks like the exact model inside the flask. Once this procedure is over the model is burned out of the flask, and all that remains is the crater of the design.

After the burning process is over, melted metal is inserted in the flask by using vacuum casting. Once the metal has hardened and is cool, the plaster itself is broken. It is done to bring out the un-finished jewelry casting, which is then filed, cultured, and prepped for the final stages. This assembling procedure includes the setting of gemstones or setting of other precious metal parts to make a complete jewelry piece. For the making of a custom jewelry design, the jewelers follow this process to give shape to the design.

In the CAD jewelry process, many of these steps are forgone because the software allows the user to create mockups before the item is even made. With the help of computer programming, you are able to produce unlimited designs, and the measurements are so accurate that you do not stand the risk of losing any stone later due to the metal's weakness.

Now lets have some discussion on Computer Aided Design and it's usages when making custom jewelry. Computer Aided Design is, basically, an upgraded process of making mechanical designs made with highly developed software.

After making these drawings, they are fed into different replica machines that are known as CNC mills. The work of these machines is to remove the material from the lump of wax to create the jewelry model. This is the main difference between man- made designs, and the design made by a machine. They are far more precise and accurate. With the help of 3D-CAD in custom jewelry designing the designers are able to make changes in a design any number of times. Ultimately, you are able to attain the exact custom-made design with the most efficiency and to the most exactness of detail.

About the Author

Andy Moquin has spent 20 years in the jewelry business buying and selling over \$20,000,000 in diamonds, engagement rings and custom designed jewelry. He as traveled to Belgium and Israel to work with international diamond dealers and works as an advisor for DBC Diamonds an international consortium of diamond dealers. His experience in the jewelry business has become invaluable to consumers and business owners. He can be contacted at 1-888-296-4890 or to learn more about how you can [Design my own engagement ring](#) visit Rokstok.

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