



Jewelry Casting Line Process



One-stop Coin Minting Line Solution Supplier

Regarded by numerous jewelry experts, lost wax casting process is one of the most effective production methods for jewelry casting. its dominance in the creation of custom jewelry, such as rings, bracelets, pendants and statue.

As a professional Jewelry casting solution provider, SuperbMelt has built many jewelry casting lines around the world. The metal involves in gold, silver, platinum and copper.

SuperbMelt concentrates on solving the jewelry casting problems while offering step-by-step instructions on precious metals. For 15+ years we have been at the forefront of precious metal jewelry casting machines, we have a professional and meticulous engineering service, on-site training, and technical support.

Process



◎ Step 1: Make Wax Mold

By 3D Printer

3D printers can create various fashion jewelry models which can greatly shorten the manufacturing cycle. It could print the original model for wax injecting purpose. It also could print designs for casting directly with castable resin. The DLP 3D printer will be the best choice for castable resin with high quality solution results.

Among them, SuperbMelt 4K DLP 3D printer could print the large layout at one time for mass production.



◎ Step 2: Make Plaster Mold

By Vacuum Investment Powder Mixer

Vacuum investment powder mixer is used for making plaster moulds for jewelry casting.

Operation is easy and convenient. The vacuumizing can be on during whole process. Mixing and pouring can be done under vacuum status helps to save time and avoid water drops and bubbles. It is preferred for Jewelry making and meets the needs of fine casting.



Step 3: Burnout Plaster Mold

By Wax Burnout Furnace

Wax burnout furnace is used for melting and flowing the wax in the plaster mold and a hollow plaster mold is obtained in the process of jewelry casting.

Special design for two-time burning; it will re-collect those not fully burnt during dewaxing process and let them to be burnt again for full combustion, and reducing the wax flavor in the environment as much as possible.



Step 4: Melting & Casting

By Vacuum Pressurized Casting Machine

SuperbMelt DM jewelry vacuum pressurized casting machine is customized to melt and cast over 300g-6kg gold, silver and other precious metal jewelry. SuperbMelt vacuum pressurized casting machine (SPB-DM) ensures that you'll never have to bother about density, shrinkage or air hole in your final piece. The casting machine comes with gas chamber which releases pressurized inert gases. This completely eliminates any of form of porosity or shrinkage.

Strong induction stirring makes the gold alloy more uniform.



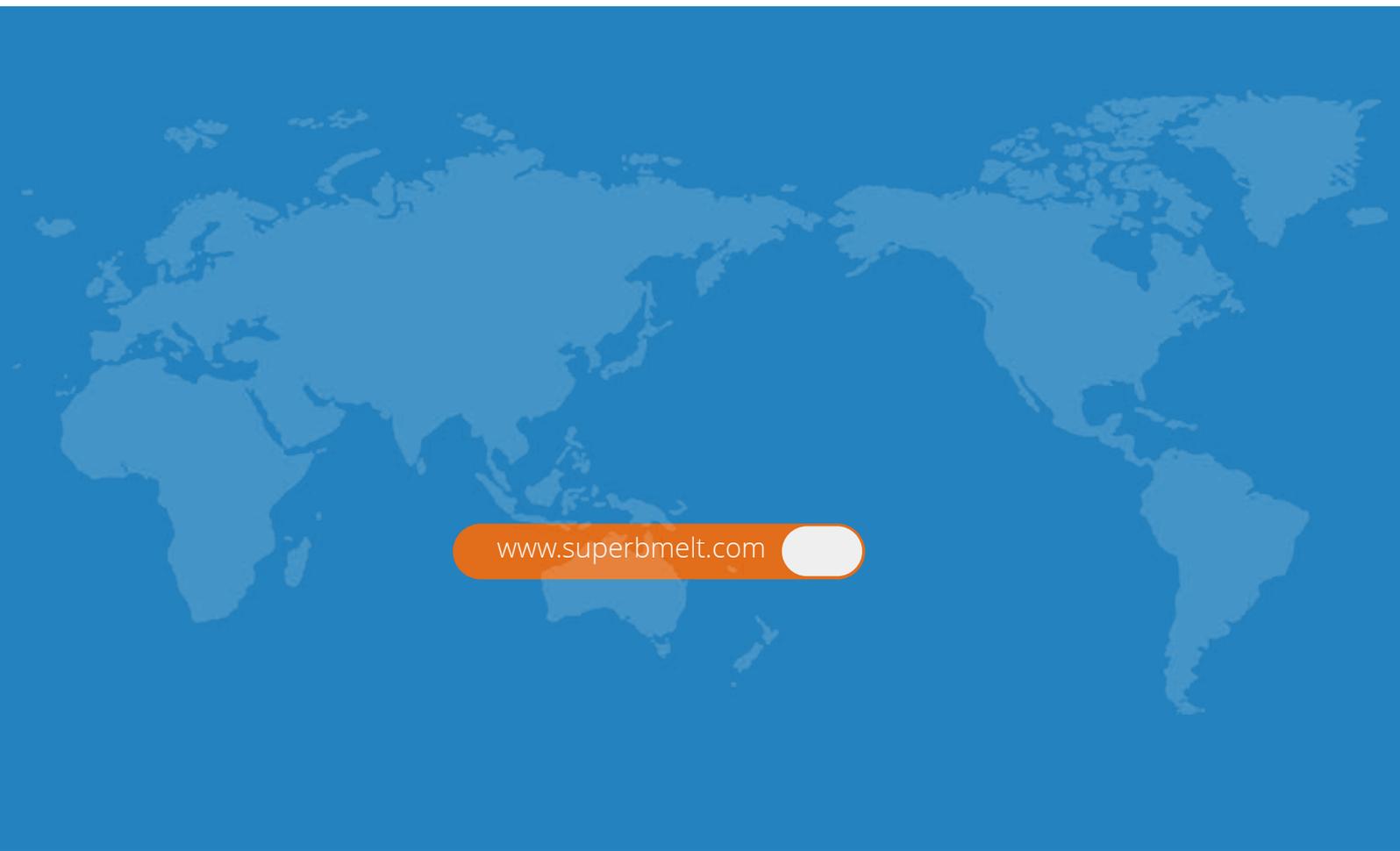
Step 5: Cleaning

By Cleaning Machine

The jewellery cleaning machine is used to clean the plaster on the surface of cast jewellery. This is done to obtain blank jewellery with a brighter surface and no impurities.

It provides perfect quality semi-finished products for the last step of the processing process.





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