

JC CASTING

Jiachuan Casting is an investment casting foundry, manufacturer, and supplier with our own machining factory in China. With ISO, CE certificates.

Our technic: Wax Lox Investment casting, Sand Casting, Water Glass Casting, CNC Machining Part.

Our Casting Materials: Alloy Steel, Stainless Steel, Carbon Steel, Aluminum, Bronze, Nickel Based Products.

Our products applications are in Pump, Valve, Marine, Automotive, Agriculture machines, Heavy Vehicle parts. Electronic Machine part. Precision equipment, medical casting.

We exported to the USA, Russia, Germany, France, Spain, Italy, UK, Japan, most southeast Countries.

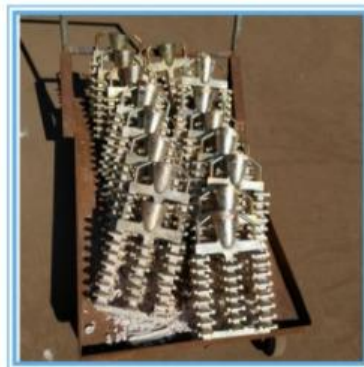
If you have inquiries about them: email info@investmentcastingpci.com
[aerospace-investment-casting-supplier](#)

Brass investment casting is a process that creates parts through the metallic replication of wax models. Investment casting using molten brass results in a final product that is very smooth and detailed without flash or parting lines. This technique can create parts that are precise and lightweight.

JC Metal is a brass investment casting company and supplier. We can supply brass investment castings as per your design or specifications.

Brass Investment Casting

Almost any castable metal may be an investment cast. Brass investment casting is also by this process in our brass foundry.



The Brass Casting is produced by lost wax investment casting process or die casting process.

The first step in investment casting is creating a master die out of wax. This wax pattern can be carved by hand or machine or maybe produced through brass casting molds. The die is a replica of the part that is to be produced. It is attached to a wax rod called a sprue. Several hundred wax patterns may be attached to the same sprue or it may be a single pattern. When the master dies are firmly attached, the assembly is inverted and dipped into a ceramic slurry called the investment. It may be dipped multiple times to achieve an even coating and the desired thickness. An alternative method is to mount the assembly in a flask and to pour in the investment. The investment is then left to dry, which requires many hours unless the process is aided by a fan or vacuum. After it has dried completely, the assembly is inverted and baked in an oven or furnace to melt or vaporize the wax. The mold is heated more than necessary to guarantee that there is no moisture or residual wax inside that would interfere with the liquid brass that is then poured into the space left by the wax. To thoroughly fill the mold, the molten metal can be drawn in through vacuum, positive air pressure, or centrifugal casting methods. Sometimes the force of gravity is enough. The brass cools and once it has hardened into a solid, the investment mold is removed to release the brass casting inside.

Materials for Brass Investment Casting we can make

Brass	HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90 etc.
Copper	C11000, C12000, C12000, C36000 etc.

Advantages of Brass Investment Casting

Smaller diameter holes than forging, sand casting, and die casting
Tolerances within +/- .005 inches per linear inch
More environmental friendly
Highly complex dimensional geometry