

## Lost Foam Casting

**Common Name:** Lost foam casting parts, Lost foam cast steel.

**Main Textures:** High Manganese steel, High Cr, Alloy steel.

**Casting Process:** Lost foam casting.

**Available Material:** wear-resisting hammer, bar hammer, jaw plate, Roller, grinding ring and liner wear, roll sheet, etc.

**Application Scope:** it is suitable for any brand of steel, iron, aluminum, copper, etc., large variety of materials with different structures, medium and small types of castings

### Description of product:

Lost Foam Casting (also named solid casting) is a new casting method which combined casting wax model and foam that has similar size and shape to bonded into the cluster model, brushing fire-resistant paint and after drying, it will be buried into the dry sand quartz vibration modeling, negative pressure under pouring, so that the model gasification, liquid metal to occupy the position of the model, the casting formed after solidification cooling. It is suitable for various grades of steel, iron, aluminum, copper, etc., large variety of materials with different structures, medium and small all kinds of casting, complex structure casting will be better.

Lost Foam Casting jaw plate

Using EPC method to product the high manganese steel jaw plate, when we change the original material ZGMn13 to ZGMn13-4, the high-manganese steel jaws plate life expectancy will substantial increased.

Lost Foam Casting hammerhead

Hammerhead is the key parts of building materials, mining, chemical and other industries area which in hammer crusher, and it is also the wearing parts, with the lost foam casting process to produce a bimetal hammer compared with high manganese steel, the hammer get a significantly improvement in wear resistance.

Lost Foam Casting bar hammer

Hammer as mining consumables which in commonly used industry equipment, you need to have a good life in order to reduce production costs and increase economic efficiency, 1315 board hammer has simple structure, and it is the bulky, thick and large part, with lost foam casting, it can simplify casting process, many piece can be filled in one box, it can improve production efficiency greatly.

Lost Foam Casting Liner

The service conditions are very bad in mine and wet ball mill lined plate, the traditional high manganese steel and alloy steel liner's life is generally not high. We have successfully develop a new type of micro-alloy liner wear basing on LFC new micro alloy composite casting technology, and the wear resistance coefficient is relatively better than common alloy steel liner.

We are a professional manufacturer of Lost Foam Casting process, our production are the ring roller mill, jaw plate, plate hammer, hammer, linings and other wear-resistant castings parts, The wear-resistant products with lost foam casting process, the size is precise, and appearance is smoothly, it has good quality and high efficiency!

**PERFORMANCE CHARACTERISTICS:**



**BETTER QUALITY**

The dry sand molding with Binder-free, moisture-free, without any additives, it solved the common waste and casting defects due to the moisture



**COST-EFFECTIVE**

it can significantly reduce machining costs, it can reduced 40-50% of machining time compared to traditional sand casting method.



**LONGER LIFE**

Because the surface of product is better than clay sand when using the lost foam casting, and the casting blank precision also becomes higher



**WIDE RANGE OF APPLICATION**

lost foam casting applies not only to the simple geometry of the casting, but also suitable for ordinary casting which has more difficult for open edge

**技术参数: Technical Parameters**

| Casting Process Features | Process Features   |
|--------------------------|--|
| Sand casting             | Sand casting is a traditional mold casting process by sand as the main material. Sand generally use gravity casting, may also have low pressure casting, centrifugal casting process when there are special requirements. Sand casting wide adaptability, smallparts, large parts, simple parts, complex parts, a single parts, large quantities can be used |
| V method casting         | The products of V method casting has less porosity, high dense, smooth surface,clear outline, size accurate.The mold and sand box have a long service time, high utilization rate of the metal. The process shrinkage is approx. 0.2% lower than sand casting.   |
| Lost foam casting        | Lost foaming casting is particularly suitable for complex geometry mold, such as box-type, bobbin type which is difficult for the traditional casting.   |

Here is only some type for Lost foam casting. As the improvement of product, the specifications are changed. If you need the further information, please contact our sales or Email us.

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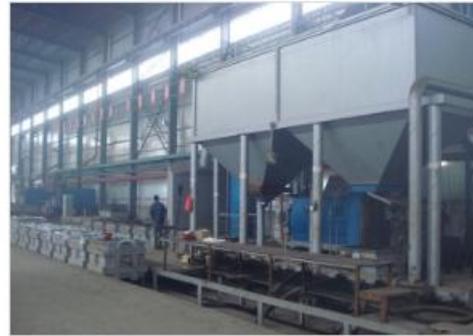
**Enterprise strength:**

We have two sand casting production line, one vacuum casting production line, one Lost foam casting production line; six intermediate frequency furnaces(two 5T,two 3T,two

1T) , six heat treatment furnace (one 40T,one 20T,one 15T ,three 5T), heat treatment pool 2000m3 water, with the annual capacity of 15,000 tons.



Sand casting



Lost foam casting



Vacuum casting



Pouring

**Global cooperation:**

JYS dialogue with international, built international group. We have an independent import and export business license, long-term exchanges and cooperate with overseas countries make our products maintaining a high level, also won the comprehensive international market. it is exported to Russia, Kazakhstan, Turkey, Saudi Arabia, South Africa, Vietnam, India, the United States, Australia and other 30 countries and regions.



Indonesia



Netherlands



Australia



United States

**Special reminder:**

Hubei JYS advanced wear resistant material technology Co. Ltd is a manufacture of wear-resistant, specialized in high manganese steel, high chromium, wear-resistant alloy steel casting, provide processing business of spare parts for different factory perennially. For any type of wear-resistant castings, you just provide drawing, sample or pattern, we can produce it for you. tel :+86-0717-3286139 e-mail: [vip@jinyangshi.com](mailto:vip@jinyangshi.com)