



### Silica Sol Investment Casting Stainless Steel Mould

Silica Sol Investment Casting Stainless Steel Mould for the casting process consist of two halves. Casting molds are usually formed from gray cast iron because it has about the best thermal fatigue resistance, but other materials include steel, bronze, and graphite. These metals are chosen because of their resistance to erosion and thermal fatigue. They are usually not very complex because the mold offers no collapsibility to compensate for shrinkage. Instead the mold is opened as soon as the casting is solidified, which prevents hot tears. Cores can be used and are usually made from sand or metal.

## Product Description

As stated above, the mold is heated prior to the first casting cycle and then used continuously in order to maintain as uniform a temperature as possible during the cycles. This decreases thermal fatigue, facilitates metal flow, and helps control the cooling rate of the casting metal.

Venting usually occurs through the slight crack between the two mold halves, but if this is not enough then very small vent holes are used. They are small enough to let the air escape but not the molten metal. A riser must also be included to compensate for shrinkage. This usually limits the yield to less than 60%.

Mechanical ejectors in the form of pins are used when coatings are not enough to remove casts from the molds. These pins are placed throughout the mold and usually leave small round impressions on the casting.

Material:Stainless Steel

Technique:Silica Sol Investment Casting

Gross Weight:1.1KG

Application Area:Automobile

Product Name:Stainless Steel Mould

Anti-Rust:with anti-rust water

Heat treatment:As Cast,Is

Fire, Tempering, Annealing, Quenching, Carburizing, Permeability, Thermal Refining, Hardening are available.



Ningbo Zhiye Mechanical Components Co., Ltd.

**World Top**  
Equipment

**20+**  
Years

**20 years**  
Experience of  
mold making

**100+staff**  
5S management  
standard

## Products Description

Rapid prototyping CNC mould manufacturer plastic auto parts mold  
precision plastic mold

1. High quality, competitive cost, durable, delivery on time
2. Professional technical supports and satisfactory customer service
3. 20-year experience in mold design and plastic parts making
4. Certification: ISO9001: 2015, SGS

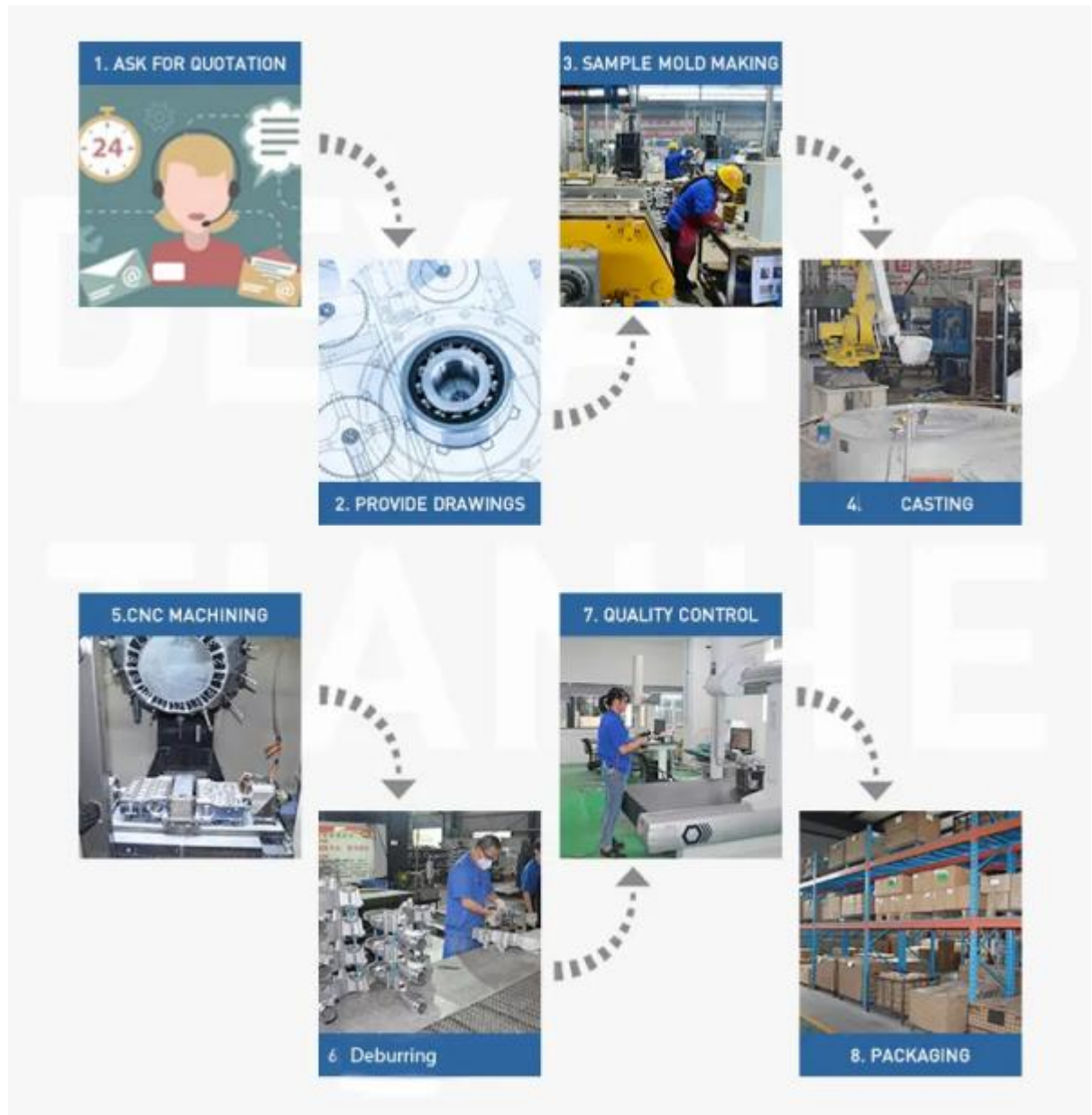
Product Name	High Quality Plastic Injection Mould Maker / Supplier / Manufacturer
Mold Material	S136/2344/718/738/NAK80/P20, etc.
Plastic Material	ABS, PP, PC, PVC, POM, TPU, PC, NYLON, Silicone, Rubber, etc
Mold Base	LKM, HASCO, etc.
mold Life	3k-800k shots (depend on your environment)
Mold Precision	+/-0.01mm
Quality Assurance	ISO9001: 2015, SGS, ROHS, TUV
Custom Feature	According to your 2D/3D Drawing or sample provided; Color/Quantity/Unit price/Tooling cost/Tooling size/ are to be discussed
Our Equipments	High speed CNC, Standard CNC, EDM, Wire Cutting, WEDM, Grinder, Plastic Injection Molding Machine from 45-500T available.
Main Product	Automotive parts, Electronic device, Home appliance, Household product, Medical product, Lighting control equipment, Machine accessories, Furniture industry and so on

Port of loading

FOB Ningbo Port, China



Production Process







## PACKAGING & TRANSPORTATION



### FAQ:

#### 1: What information does the quotation need?

Pls. offer your drawings and/or samples, quantity and packing's requirements.  
Drawings in PDF, IGS, DWG, STEP, MAX are suitable to us.

#### 2: What's lead time for samples and products?

Lead time for samples: 30-70days depend on the structure of the part and other requirements on heat treatment, machining, surface

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treatment and so on.

Mass production lead time: 35-70days depend on products' characteristics and quantity.

**3: What is the requirement on payment?**

Tooling Cost:100% T/T advanced

Payment for the Order:50% deposit,50% to be paid before shipment.

**4: What are surface treatments available?**

Powder coating, Shoot Blasting, Painting, Polishing, Acid Pickling, Anodizing, Zinc Plating, Hot-dip Galvanizing, Electrophoresis, Chrome Plating

**5: What is the packing?**

Normal buck packing suitable for shipment by sea and by air.

We also organize packing according to customers' requirements.