



## **WELCOME TO SHAANXI BRILLIANT MACHINERY CO., LTD.**

As a professional manufacturer, Shaanxi Brilliant Machinery is specialized in kinds of metal parts, that are especially made of gray iron, stainless steel, steel, aluminum, copper, titanium, special alloys, and etc. All the parts are made by different processes including: sand castings, investment castings, centrifugal castings, die castings, forging, machining, etc.

We have served in international industrial market for over 10 years. And we have made it our FIRST goal to maintain the loyalty of existing customers and earn new business through exemplary customer care, low costs, high quality, expedited shipping, complete order fulfillment and customized machining.

BRILLIANT strives to become your main source for castings, forgings, machined parts, and specialty products. No matter the size of your business, we value each customer. We provide top-notch customer care and the personal attention your business deserves. Our knowledgeable sales and engineers staff is focused on fulfilling our customer needs, while saving you time and money. You will benefit from the business relationship with the committed company who cares as much about your products as you do.

For the professional care your business deserves, please contact us for all your castings, forgings and machined parts. Whenever you call, you will not only be greeted by a cheerful voice, but also provided with timely quotations, friendly advice and prompt responses.

# FORGING



## Material:

Carbon steel, Stainless steel, Alloy steel,  
Aluminum alloy, Copper alloy, etc.

## The different processes:

Close Die forging, Open die forging, Cold  
forging, Upset forging, Drop forging

## Surface finish:

Rust proofing, Painting, Galvanizing,  
Powder coating

## Heat treatment:

Annealing, Normalizing, Quenching,  
Tempering, Solid solution treatment.





# INVESTMENT CASTING



## The different processes:

- Colloidal silica process
- Complex shell process
- Water glass process
- Ethyl silicate process

## Materials:

Any grade of stainless steel, Carbon Steel, Alloy steel, Nickel-base alloy, Chrome-base alloy, Copper, Brass, Aluminum or as per the customer's request

## Weight:

Colloidal silica Process: 0.05kgs--25kgs

Waterglass: 300kgs.



# DIE CASTING



## Material:

Zinc alloy, Aluminum alloy, Copper alloy, or as per the customers' request.

## Weight:

0.01kgs--20kgs





# SAND CASTING



## The different processes:

- Resin sand casting
- Green sand casting

## Materials:

Gray iron, Ductile iron, Carbon steel, Aluminum alloy, Nickel-base alloy, Chrome-base alloy, Copper alloy, Stainless steel or as per the customer's request

## Weight:

0.1 kgs--30 tons.



# CENTRIFUGAL CASTING



## Materials:

Carbon Steel, Stainless steel, Alloy steel, Copper alloy, Superalloy steel or as per the customer's request.

Max casting weight: 3000kgs

Max casting length: 4000mm

Max diameter: 2000mm

## Surface finish:

Rust proofing, Painting, Galvanizing, Powder coating





# MACHINING



**Machines:** Lathe, Milling machine, Grinding machine, Planer, boring machine, CNC, etc.

**The highest machining precision:** Ra 0.6

**The highest machining tolerance:**  $\pm 0.005\text{mm}$

