

Taiyuan SIMIS Investment Casting Co.,LTD

SIMIS CASTING, established in year of 2004, is a professional foundry, including integrating development and production together, specialized in producing various kinds of investment casting parts, and sand casting parts. These casting parts are widely used in automobile industry, railway vehicle, construction machine, municipal works, pipeline, petrochemical industry, mine, electric utility industry and so on.

20+ Experience of International



Company Production Capacity



SIMIS has six affiliated casting workshop and 2 professional CNC machining workshops. It is located in Taiyuan City, Shanxi Province, China.

There are 500 staffs and 40 engineers now in our company. Its annual production capacity for all types of casting parts is about 3000 tons. Holding over 100 sets of advanced casting parts, machining and test equipments.

It is also equipped with many advanced CNC machining center, CNC turning center, CNC milling machine and CNC lathes. It can do the heat-treatment, electricity polishing, mirror polishing and CNC machining at the request of clients.



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Production Process

Lost Wax Casting Process

Investment casting
precision casting
water glass casing



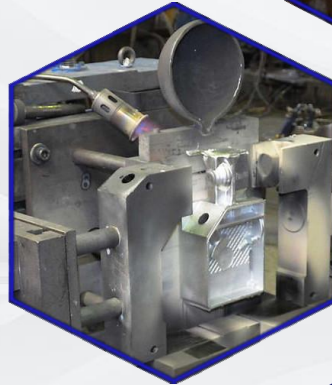
Shell Mold Casting Process

Iron / steel / Aluminum / Copper



Die Casting Process

Low pressured die casting
High pressure die casting
Gravity die casting
Metal mold die casting



PROCESS

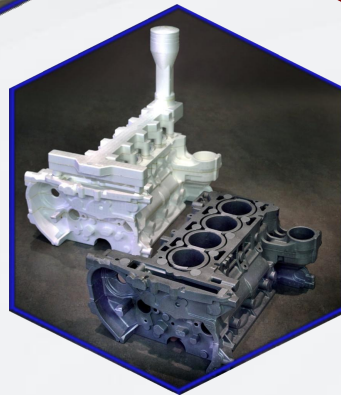
Sand Casting Process

Resin sand casting,
automotive production line,
Disa production line



Lost Foam Casting Process

Iron / steel / Aluminum / Copper



CNC Machining

CNC Machining/ Lathing/ Milling/
Turning/ Boring/ Drilling/ Tapping/
Broaching/Reaming / Grinding/Honing
and etc.

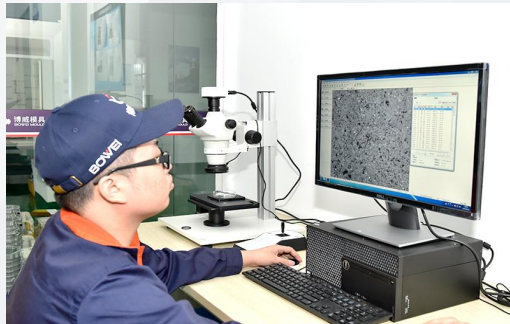
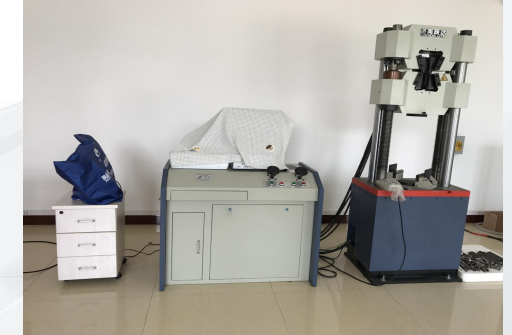


Testing Ability

- Dimensional
- Surface Roughness Test
- Microscopic Measurement
- 3D Scanning
- CMM

- Non-Destructive Tests(N.D.T.)
- Dye Penetrant
- Radiography (RT)
- Magnetic Particle (MT)
- Ultra-Sonic (UT)

- Chemical & Mechanical
- Chemical analysis
- Metallography
- Tensile Strength
- Yield Strength
- Elongation Rate
- Shrinkage Rate
- Impact Test
- Hardness Test



Surface Treatment

Black Oxide



Nickel Plating



Painting



Anodizing



Polishing

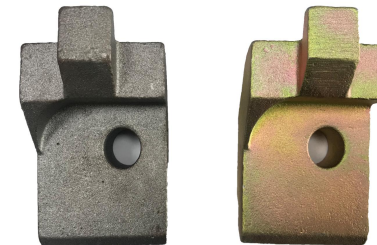


1. Mechanical surface treatment: sandblasting, shot blasting, polishing, rolling, polishing, brushing, spraying, painting, oiling, etc.
2. Chemical surface treatment: phosphating, pickling, electroless plating of various metals and alloys, TD treatment, QPQ treatment, chemical oxidation, etc.
3. Electrochemical surface treatment: anodic oxidation, electrochemical polishing, electroplating, etc.
4. Modern surface treatment: chemical vapor deposition CVD, physical vapor deposition PVD, ion implantation, ion plating, laser surface treatment, etc.

Sand Blasting



Zinc Plate



Powder Coating



MATERIALS

Material Range: Carbon steel, Alloy steel, stainless steel, cast iron, aluminum alloy, copper alloy

Material Standard: GB.ASTM. AISI. DIN. BS. JIS. EN. AS. AAR

1 stainless steel

- Martensitic stainless steel
- Ferritic stainless steel
- Austenitic stainless steel
- Duplex stainless steel
- Precipitation hardening stainless steel

2 alloy steel

- Carbon steel:
- High manganese steel
- Alloy cast steel

3 Iron

- Gray iron
- Ductile Iron
- ADI
- Ni-resit iron

4 Aluminium

ADC10,
ADC12, ADC14,
A360, A380,
A356-T6
ZL102, ZL104

5 Other

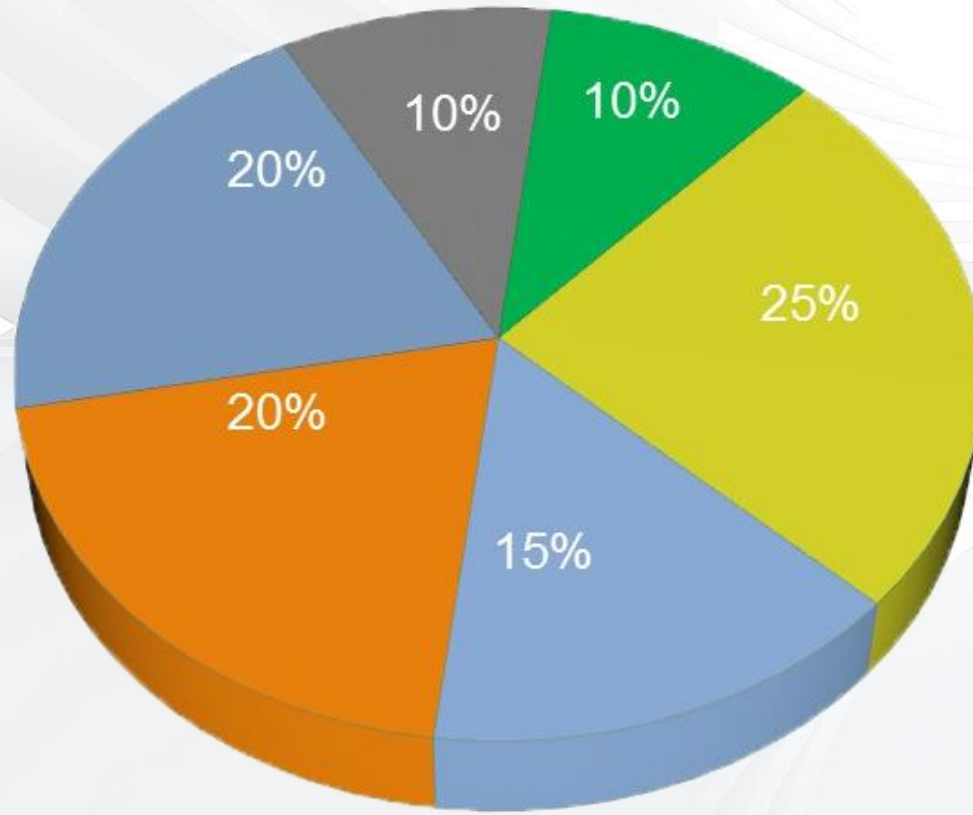
Cooper
Brass
Brozen



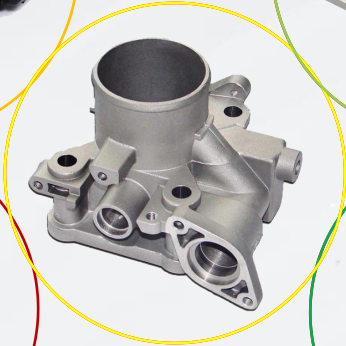
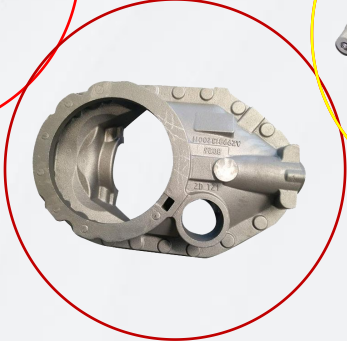
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INDUSTRY COMPONENTS

- Automotive & trucks
- Pump & valve
- Construction Machinery
- Agricultural Machinery
- Rail & Train
- Other



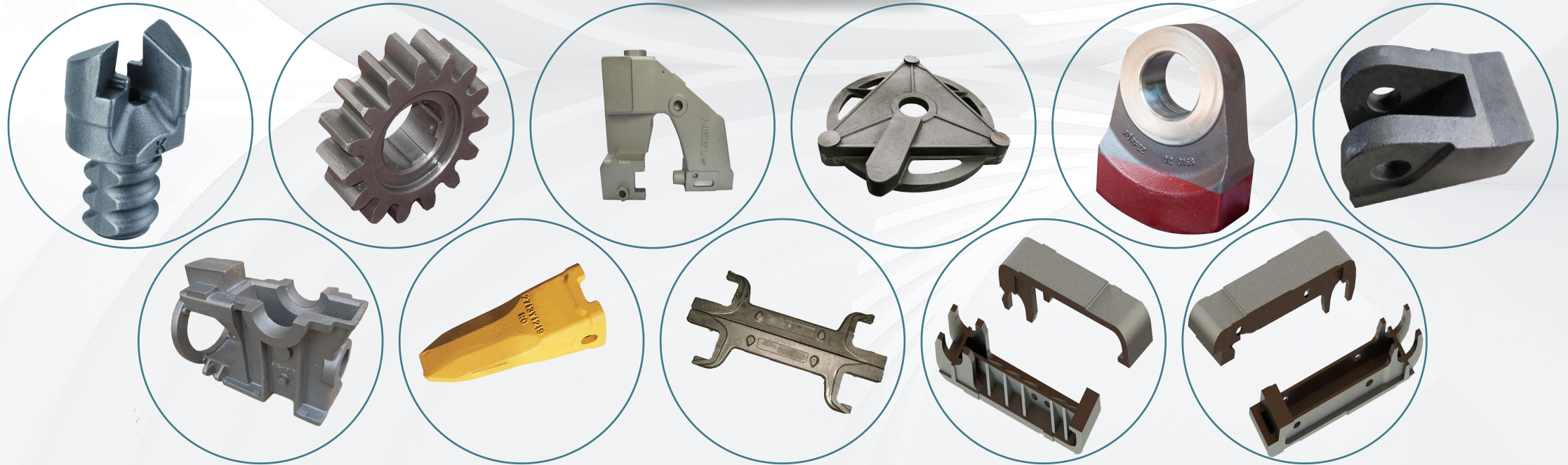
Automotive & trucks casting parts



Rail & Train Casting parts



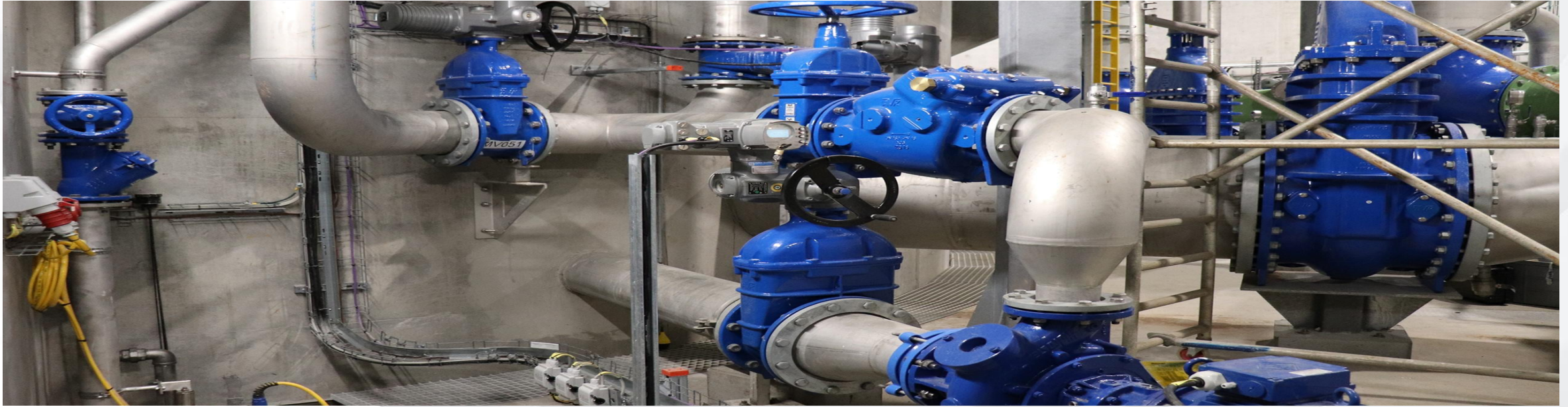
Construction Machinery Casting Parts



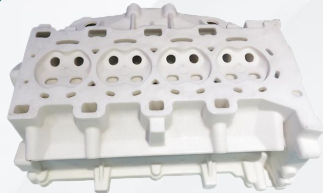
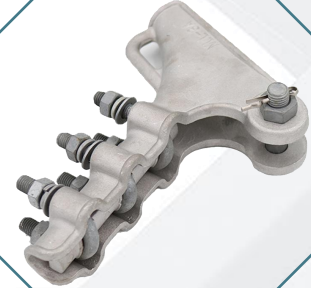
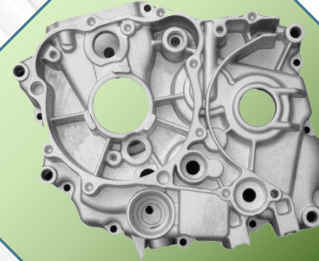
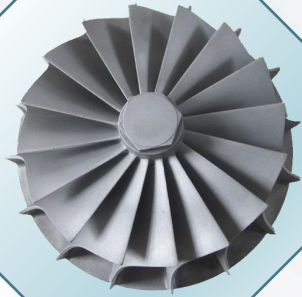
Agricultural machinery accessories



Pump & valve casting parts



Other Customized Casting & Machining Parts



Contact Us

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Thank you!