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Titanium Investment Casting Parts

Founded in 2007, we, SHENGFA Hardware, have provided investment casting parts for a wide variety of industries, including the aerospace, military, food service, medical, and automotive industries from Ningbo China. Titanium investment casting parts are one of the main products we supply to our bicycle factory customer as you can see that we do bicycle frames. Our factory has our own tooling shop filled with state-of-the-art testing machines, and we offer satisfying investment parts to our customer every time. It is our aim to establish lifelong relationships with our dear customers that benefit each side of us. Contact us for more info today!

What is Investment Casting and its Advantages?

It has been proven that investment casting is a suitable casting method of choice to ensure the highest possible quality of end product by using a shell system to help control the surface finish and details of the casting. We even can say that the investment casting process is the only metal casting process that can produce complicated shapes with good quality.

There are a wide range of titanium cast alloys to choose from however depending the application it important to consider the alloy choice carefully. Because Titanium is as strong as most common steel but with less than 40% counterpart's weight, our titanium investment casting parts are widely used in aerospace, military, shipbuilding, medical, sports and automotive industries.

Titanium investment casting parts are successfully being implemented as cost-effective alternatives to forged and wrought products. For most of the last two decades, investment casting has been the preferred processing method for sophisticated titanium castings.

Main Applications of Titanium Investment Casting Parts

Aerospace Industry: engine parts, landing gears, frames, hydraulic sections

Medical Industry: hip, knee, and dental implants, reconstructive pins; surgical instruments like scissors, scalpels, forceps, and knives.

Military and Security Sectors: military and naval ships.

Oil and gas industries: transportation sector, construction, consumer and sporting products



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Why Select SHENGFA Hardware as Your Titanium Investment Castings Parts Supplier?

As a titanium investment casting parts supplier, SHENGFA Hardware implements a very strict quality inspection process in our titanium investment casting parts manufacturing process. We have over 15 years' experience and history to help you with all your casting needs. We also have various alloy and plastic materials for you to choose from.

Product Parameters

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|-----------------------------|---|
| Material | Carbon steel, alloy steel, stainless steel, copper Alloy |
| Process | Investment (lost wax) casting + CNC machining |
| Casting dimension tolerance | CT7 |
| Casting surface roughness | Ra 12.5 um |
| Casting weight range | 0.1-90 kg |
| Casting Size | Max linear size: 1200 mm, Max diameter size: 600 mm |
| Machining Precision | Positioning accuracy 0.008 mm, Rep. position. accuracy 0.006 mm |
| Machining surface roughness | Ra0.8 ~ 6.3 um |
| Max Travel Of Spindle | 1900 mm x 850 mm x 700 mm |
| Max Turning Diameter | 830 mm |
| Material standard | GB, ASTM, AISI, DIN, BS, JIS, NF, AS, AAR |
| Surface treatment | KTL (E-coating), Zinc plating, Mirror Polishing, Sand Blasting, Acid pickling, black oxide, Painting, Hot galvanizing, Powder coating, Nickel plating. |
| Service available | OEM & ODM |
| Quality control | 0 defects, 100% inspection before packing |
| Application | <ul style="list-style-type: none">● Aerospace and defense● Power generation● Automotive● Oil and gas● Space exploration● Medical/orthopedics |



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- Agriculture
- Construction
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