



PAN XUGUANG



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## Pan Xuguang GmbH

### Contract Manufacturing

Pan Xuguang GmbH is a family business located in Tübingen, South Germany. Since 2003, we have offered competent contract manufacturing for complex and specific customer requirements, with a main focus on casting products and electronics.

We are an independent, owner-managed company with an established and reliable network of suppliers in China. Our strength is the realisation of custom-made products, according to individual drawings or samples at a very good price-performance ratio. Whether for small or large-scale series, semi-finished parts, finished parts or assemblies, we always offer excellent quality and cost-efficient solutions.

Our customers benefit from our broad experience and deep technical know-how of casting and electronic manufacturing. We have relationships with companies of all sizes from a range of industries including: Automotive Suppliers, the Lock and Hardware Industry, the Security Technology Industry, and Plant and Mechanical Engineering.

Our well-organised logistics network assures delivery just in time to our customers' named destination.

Customer satisfaction as well as fair and long-term partnership with all stakeholders – customers, suppliers and employees – are of particular importance to us. For this reason, we are continually optimising the quality of our products, processes and services.

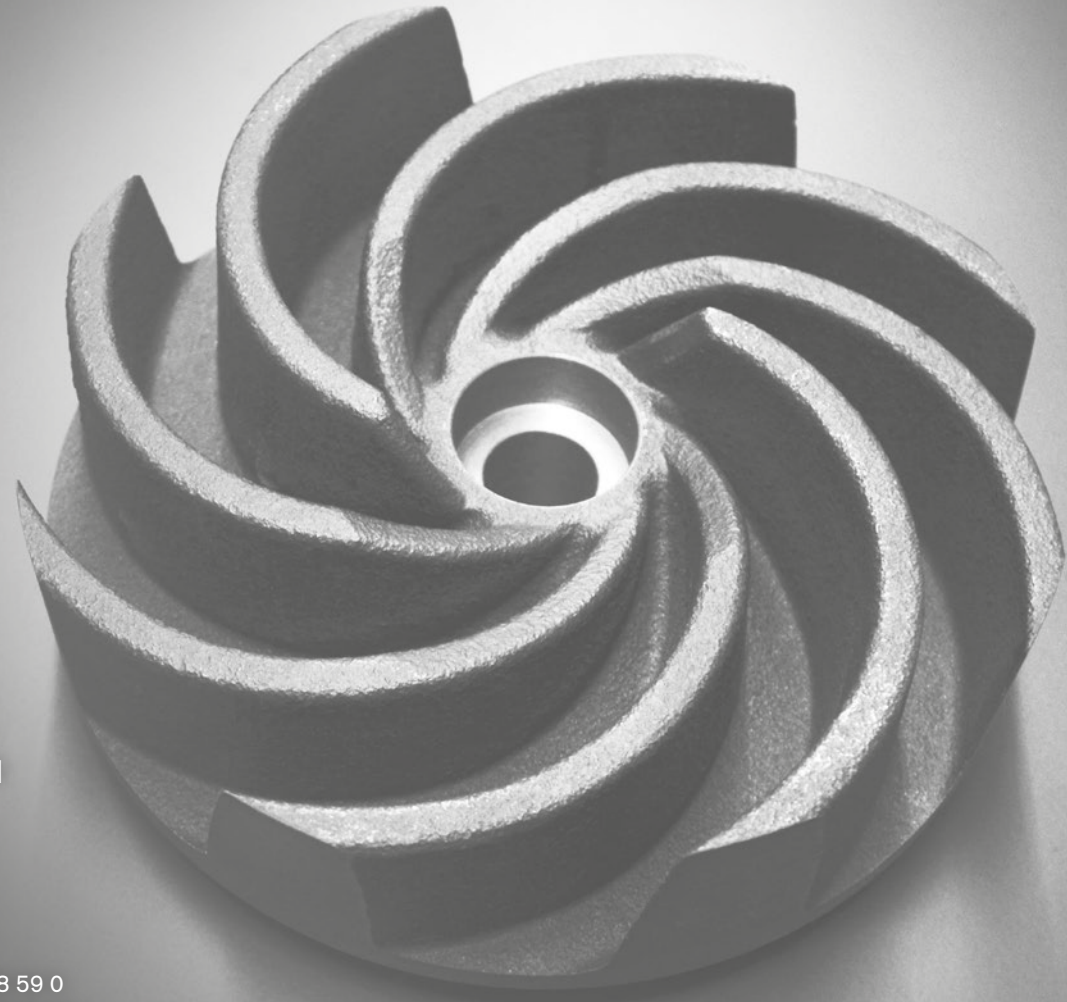
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**WE CAST YOUR IDEAS.**



## High Quality Solutions

Are you looking for a reliable contract manufacturer? If so, you will find in us your German contract partner, specialising in:

- **Casting Products**
- **Processed Aluminium Sections**
- **Processed Sheet Metal Parts**
- **Electronics**

If required, we can advise on technical aspects such as selection of materials, manufacturing techniques and product optimisation.

We have a long-standing and success-proven network of Chinese suppliers with ISO certifications and state-of-the-art manufacturing technology, e.g. casting process simulation tools. The production meets national and international safety and security standards, as well as environmental regulations. We can carry out all kinds of testing activities on demand for your products, according to your specifications.

Semi-finished parts, finished parts and assemblies, small and large-scale series, competitive price-performance ratio – we have all-round solutions for you.

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## German Engineering – Chinese Manufacturing

### Investment Casting

Most of our customers request investment casting using steel alloys. This is a good choice for parts with high precision and complex geometry, sharp contours and high surface quality without or with minimal further processing. As investment casting is a labour-intensive technology, manufacturing in China at our suppliers' plants enables a very good price-performance ratio.

### Die Casting

We are specialised in die casting of aluminium, zinc, and magnesium alloys. We have different Chinese suppliers in our network, therefore small or big parts can be produced with machines with different closing forces. Our die casting tool prices are particularly cost-efficient.

### Sand Casting: Grey and Ductile Iron Casting

Grey iron casting provides a good quality-price ratio, high wear resistance, compressive strength as well as high damping capacity. Ductile iron castings have more tensile strength compared to grey iron castings. The mechanical properties are outstanding: high wear resistance, very good notch impact toughness, good breaking elongation.

### Extrusion, Aluminium Section Processing

We can provide complex and precise profile geometries made with extrusion. The mechanical processing and professional surface treatment of extruded aluminium sections is one of our strengths. If required, we also deliver complete assemblies.

### Injection Moulding

This technique can be performed with a broad variety of materials. Our manufacturers have production units with different closing forces, so that small and big parts can be produced.

### Sheet Metal Processing

According to your requirements, high precision sheet metal parts can be processed with all conventional manufacturing technologies: simple cutting and shaping, semi-processed parts, ready-to-install sheet metal assemblies, surface treatment, etc.

### Sintering (PM)/Metal Injection Moulding (MIM)

PM is economically efficient for large-scale series production and for small parts. Additionally, there is a wide variety of usable materials. MIM is particularly suitable for the production of parts with complex geometries and of micro size. The parts meet close tolerances and have good mechanical properties such as high density. Our sintering/MIM tool prices are particularly cost-efficient.

### Electronics

We can produce assemblies and modules for industrial applications, according to your specifications. We also offer holistic solutions, tailor-made to your requirements, e.g. thermoelectric (Peltier) modules, and gear motors.

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