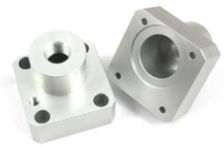
High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: CNC-XG-081
- Minimum Order Quantity: 1 pcs
- Price: USD $0.1-$1.99
- Packaging Details: Carton, As Customers'packaging requirements
- Delivery Time: Samples 7-10 days, Mass production 20-25 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pcs per week



Product Specification

- Application: Automotive, Aerospace, Medical, Etc.
- Drawing Format: CAD, PDF, JPG, Etc.
- Inspection: 100% Inspection Before Shipment
- Lead Time: 7-15 Days
- MOQ: 1 Piece
- Material: Metal
- Package: Carton Box, Wooden Box, Etc.
- Payment Term: T/T, L/C, PayPal, Etc.
- Process: CNC Machining
- Size: Customized
- Surface Treatment: Polishing, Sandblasting, Anodizing, Etc.
- Tolerance: ±0.005mm
- Transport: By Air, By Sea, By Express, Etc.

More Images

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

Product Description

What We Can Provide

High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

Description Of High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

Our CNC metal machining parts are characterized by their high precision, tight tolerances, excellent surface finish, repeatability, and fast lead times. Whether you're looking for custom components for aerospace, automotive, medical, or any other industry, we have the expertise and capabilities to meet your needs and exceed your expectations.

Material Of High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

Processing	CNC Turning, CNC Milling, Laser Cutting, Bending, Spinning, Wire Cutting, Stamping, Electric Discharge Machining (EDM), Injection Molding
Materials	Aluminum: 2000 series, 6000 series, 7075, 5052, etc.
	Stainless steel: SUS303, SUS304, SS316, SS316L, 17-4PH, etc.
	Steel: 1214L/1215/1045/4140/SCM440/40CrMo, etc.
	Brass: 260, C360, H59, H60, H62, H63, H65, H68, H70, Bronze, Copper
	Titanium: Grade F1-F5
	Plastic: Acetal/POM/PA/Nylon/PC/PMMA/PVC/PU/Acrylic/ABS/PTFE/PEEK etc.
Surface Treatment	Anodized, Bead Blasted, Silk Screen, PVD Plating, Zinc/Nickel/Chrome/Titanium Plating, Brushing, Painting, Powder Coated, Passivation, Electrophoresis, Electro Polishing, Knurl, Laser/Etch/Engrave etc.
Tolerance	±0.002 ~ ±0.005mm
Surface Roughness	Min Ra 0.1~3.2

Application Of High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

1. Computers and Laptops: Skived heatsinks are widely used in computer processors, graphics cards, and other internal components to dissipate heat generated during intense computing tasks. They help prevent overheating and maintain optimal performance.

2. LED Lighting: LED lights generate heat, and efficient cooling is essential to maintain their longevity and brightness. Skived heatsinks are used in various LED lighting applications, including residential, commercial, and automotive lighting systems.

3. Audio Amplifiers: High-power audio amplifiers generate significant heat during operation. Skived heatsinks are employed to cool down the amplifier circuitry, ensuring stable performance and minimizing distortion.

Features Of High Precision and Tight Tolerances for CNC Metal Machining Parts with Excellent Surface Finish and Fast Lead Times

1. Efficient Heat Dissipation: Aluminum is a highly efficient conductor of heat, and skived heatsinks are designed to maximize the surface area for heat dissipation. The skived fin structure enhances the heatsink's ability to transfer heat away from the electronic components.

2. Thin and Lightweight: Skived heatsinks are manufactured using a precision machining process that allows for the creation of thin and lightweight fins. This design makes them suitable for applications where space and weight are critical considerations.

3. Customizable Fin Geometry: The skiving process allows for the creation of intricate and customizable fin geometries, which can be tailored to specific thermal requirements and airflow conditions. This flexibility ensures optimal performance for various applications.

Why Choose Us

Advantages

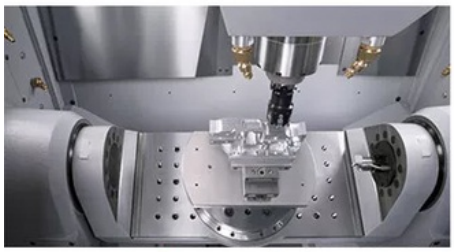
High Precision: Utilizing state-of-the-art CNC (Computer Numerical Control) technology, we achieve exceptional precision in every part we produce. Our machines are capable of intricate detailing and exact measurements, ensuring that each component meets or exceeds your specified requirements.

Tight Tolerances: We understand the importance of dimensional accuracy in critical applications. Our CNC metal machining process allows us to maintain extremely tight tolerances, often within micrometers, guaranteeing that parts fit together perfectly and function as intended in your assemblies.

Excellent Surface Finish: The surface finish of our machined parts is of the highest quality, achieved through advanced cutting tools, optimized machining parameters, and meticulous quality control. Whether you require a smooth, polished surface or a specific texture, we can deliver a finish that meets your aesthetic and functional needs.

Repeatability: Consistency is key in manufacturing, especially when producing large quantities of parts. Our CNC metal machining process ensures exceptional repeatability, meaning each part is virtually identical to the last. This reduces variability, enhances assembly efficiency, and ensures reliable performance in your end products.

Fast Lead Time: We recognize the importance of timely delivery in today's fast-paced market. Our streamlined production process, combined with efficient supply chain management and skilled workforce, enables us to offer fast lead times without compromising on quality. From initial design to final delivery, we work closely with you to ensure your project stays on schedule.



High Precision

5-Axis CNC & Imported machines with accuracy ±0.02-0.10mm

Fast Lead Time

Multipe CNC machines, skillful workers, guarantee fast lead time

Strictly Confidential

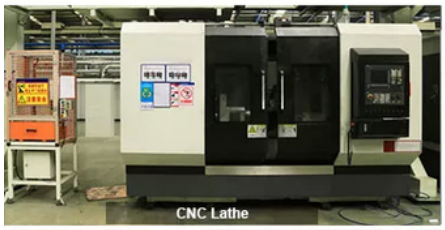
We will protect the customers'design and the customer can request a confidentiality agreement

Quality Inspection

We have a strict quality inspection process to ensure the quality of our products

Factory Show

Factory Equipment



FAQ

Q1: Where can I get product & price information?
A1:Send us inquiry e-mail, we will contact you as we receive your mail.

Q2: How long can I get the sample?
A2:Depends on your specific items, within 3-7 days is required generally.

Q3: What kinds of information you need for quote?
A3:Kindly please provide the product drawing in PDF, and will be better you can provide in STEP or IGS.

Q4: What are the payment terms?
A4: We accept 50% as payment deposit, when the goods is done, we take photos for your check and you then pay the balance.

Q5: Are you a trading company or factory?
A5:We are direct factory with 10 experienced engineers and more than 650 employees as well approximate 2,000 square ft. workshop area.

Q6: What shall we do if we do not have drawings?
A6:Please send your sample to our factory, then we can copy or provide you better solutions. Please send us pictures or drafts with dimensions (Length, Hight, Width), CAD or 3D file will be made for you if placed order.

Shenzhen Xianheng Technology Co.,Ltd

0086-13682614486 shawn@xianheng-tech.com cnc-metalmachining.com

Room 8-1409, Xingji jiayuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen City China