



Custom Brass CNC Parts Manufactured with Advanced Machining Techniques for Results and Precise Tolerances

Our Product Introduction

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

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: BS-CNC-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

- Cnc Machining Or Not: CNC Machining
- Type: Milling, Turning, Machining
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodized, Anodizing, Anodize/natural, Sandblast, Silk-screen
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Service: OEM/ODM, OEM ODM Metal Stamping, Customized OEM OEM ODM, OEM Service
- Color: As Per Customers' Requirement
- Keyword: CNC Milling Brass Parts
- Sample: Acceptable



More Images



Product Description

What We Can Provide

Custom Brass CNC Parts Manufactured with Advanced Machining Techniques for Results and Precise Tolerances

Description of Custom Brass CNC Parts Manufactured with Advanced Machining Techniques for Results and Precise Tolerances

Custom brass CNC parts, crafted using advanced Computer Numerical Control (CNC) machining techniques, are engineered to meet stringent dimensional tolerances and achieve superior surface finishes. These parts leverage the unique properties of brass—a copper-zinc alloy renowned for its excellent machinability, corrosion resistance, and aesthetic appeal—while benefiting from the precision, repeatability, and efficiency of CNC technology. Advanced CNC machines, equipped with multi-axis capabilities (e.g., 4-axis or 5-axis), enable the fabrication of intricate geometries, such as threads, undercuts, and complex contours, with tolerances as tight as ± 0.001 inches (± 0.025 mm) or better. This level of accuracy is critical for industries like aerospace, medical devices, and electronics, where even minor deviations can impact performance or safety.

Specification of Custom Brass CNC Parts Manufactured with Advanced Machining Techniques for Results and Precise Tolerances

Business Type	CNC Machined Parts Factory / Manufacturer
Service	1. CNC Machining 2. Turning and Milling 3. CNC Turning 4. OEM Parts
Material	Aluminum: 5052, 6061, 6063, 6082, 7075-T etc 2. Steel: 4140, Q235, Q345B, etc. 3. Titanium: TA1, TA2/GR2, TA4/GR5, TC4, TC18, etc. 4. Stainless steel: 303, 304, 316L, etc. 5. Brass: C36000, C37700, C26800, C22000 etc 6. Plastic: Pom, ABS, Nylon, etc.
Main Equipment	CNC Machining center (Milling), CNC Lathe, Grinding machine
Treatment	Sandblasting, Anodize color, Blackening, Zinc/Nickel Plating, Polish, Passivation PVD, Titanium Plating, Electro galvanizing, electroplating chromium, electrophoresis, QPQ (Quench-Polish-Quench), Electro Polishing, Chrome Plating, Knurl, Power coating, Laser etch Logo,
Tolerance	± 0.01 mm ± 0.05 mm
Drawing format	STEP, STP, GIS, CAD, PDF, DWG, DXF etc or samples.

Application Of Custom Brass CNC Parts Manufactured with Advanced Machining Techniques for Results and Precise Tolerances

1. Auto Components Hardware Parts Auto Parts
2. Communication Equipment
3. Industrial Equipment
4. Medical Equipments Mechanical Parts
5. Ship Accessories
6. Electrical Equipment
7. Mechanical Equipment

Quality Control

1. Checking the raw material after they reach our factory----- Incoming quality control (IQC)
2. Checking the details before the production line operated
3. Have full inspection and routing inspection during mass production---In process quality control (IPQC)
4. Checking the goods after they are finished---- Final quality control (FQC)
5. Checking the goods after they are finished-----Outgoing quality control (OQC)

Why Choose Us

Advantages

Exceptional Precision and Repeatability

Advanced CNC machining eliminates human error through automated programming, ensuring consistent accuracy across every part. Tolerances can be maintained as tight as ± 0.001 inches (± 0.025 mm), making brass CNC parts ideal for applications requiring precise fits, such as aerospace connectors, medical instruments, and electronic terminals. This precision reduces assembly time and enhances product reliability.

Superior Surface Finish and Aesthetic Appeal

Brass's natural luster, combined with CNC's ability to produce mirror-like finishes (Ra 0.8 μ m or better), eliminates the need for

extensive post-processing. Parts can be polished, plated, or coated directly after machining, reducing scrap rates and enhancing cost-effectiveness. This is particularly valuable for decorative hardware, lighting components, and consumer electronics, where visual appeal is critical.

High Efficiency and Cost-Effectiveness

Brass is softer and more ductile than many metals, allowing CNC machines to operate at higher speeds with less tool wear. This results in faster production cycles (up to 40% faster than aluminum) and reduced tooling expenses (tool life can double compared to harder materials). Additionally, CNC shops often offer no Minimum Order Quantity (MOQ), enabling cost-effective production of both prototypes and high-volume runs.

Versatility for Complex Geometries

Multi-axis CNC machines can fabricate parts with intricate shapes, such as thin-walled structures, internal channels, and tight-radius bends, that would be challenging with traditional methods. This capability supports the design of lightweight, optimized components without sacrificing strength. Industries like automotive (fuel system components) and plumbing (valves and fittings) benefit from this flexibility.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



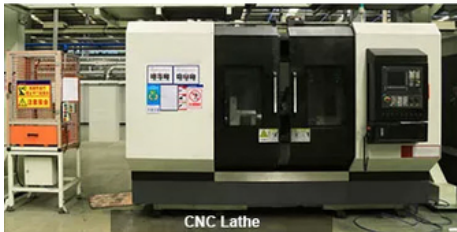
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



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, Height, Width), CAD or 3D file will be made for you if placed order.





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