



Superior Surface Finishes with Brass CNC Parts from Top Brass Parts Provider for High-Precision Metal Machining

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: BS-CNC-072
- 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

Superior Surface Finishes with Brass CNC Parts from Top Brass Parts Provider for High-Precision Metal Machining

Description of Superior Surface Finishes with Brass CNC Parts from Top Brass Parts Provider for High-Precision Metal Machining

Brass, a copper-zinc alloy renowned for its excellent conductivity, ductility, and corrosion resistance, is a preferred material in high-precision CNC machining for industries such as aerospace, automotive, electronics, and medical devices. Top brass parts providers leverage advanced surface finishing technologies to enhance the performance, aesthetics, and durability of brass CNC parts, offering distinct advantages over standard finishes.

Specification of Superior Surface Finishes with Brass CNC Parts from Top Brass Parts Provider for High-Precision Metal Machining

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	$\pm 0.01\text{mm} \sim \pm 0.05\text{mm}$
Drawing format	STEP, STP, GIS, CAD, PDF, DWG, DXF etc or samples.

Application Of Superior Surface Finishes with Brass CNC Parts from Top Brass Parts Provider for High-Precision Metal Machining

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

1. Enhanced Corrosion Resistance

Brass, while inherently resistant to corrosion, can still oxidize or tarnish over time, especially in harsh environments. Leading providers apply specialized surface treatments such as electroless nickel plating (ENP) or chemical passivation to form a protective barrier on the brass surface. For instance, ENP deposits a uniform layer of nickel-phosphorus alloy, which not only prevents oxidation but also improves wear resistance. This is critical for automotive components exposed to road salts or marine parts in saltwater environments, ensuring long-term reliability and reducing maintenance costs.

2. Improved Aesthetic Appeal and Brand Value

Superior surface finishes elevate the visual quality of brass CNC parts, making them ideal for luxury goods, consumer electronics, and decorative applications. Techniques like mirror polishing achieve a reflective, chrome-like finish, while brushing creates a consistent, linear texture for a modern look. For example, a high-end watch manufacturer might use mirror-

polished brass bezels to convey precision and sophistication, enhancing brand perception. Additionally, anodizing (though more common for aluminum) can be adapted for brass to introduce vibrant colors, catering to design-driven markets.

3. Reduced Friction and Wear for Mechanical Performance

In dynamic applications such as gears, bearings, or valve components, surface finish directly impacts functionality. Top providers employ honing or superfinishing to achieve ultra-smooth surfaces with Ra values below $0.1\text{ }\mu\text{m}$, minimizing friction and extending part lifespan. For instance, a brass CNC-machined gear in a robotic actuator benefits from a honed finish, reducing energy loss and heat generation during operation. Similarly, diamond-like carbon (DLC) coating can be applied to brass surfaces to combine hardness with low friction, ideal for high-speed industrial machinery.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



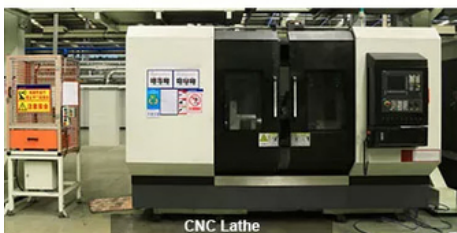
Hydraulic Press Machine



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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