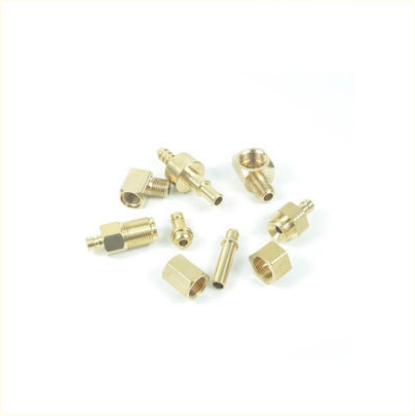
Precision Brass CNC Parts for Tight Tolerances and Smooth Finishes with Advanced CNC Machining Techniques

Our Product Introduction

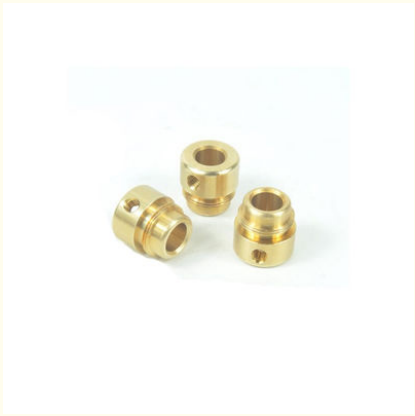
Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: BS-CNC-080
- 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

Our Product Introduction

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

Product Description

What We Can Provide

Precision Brass CNC Parts for Tight Tolerances and Smooth Finishes with Advanced CNC Machining Techniques

Description of Precision Brass CNC Parts for Tight Tolerances and Smooth Finishes with Advanced CNC Machining Techniques

Precision brass CNC parts, manufactured 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.

Specification of Precision Brass CNC Parts for Tight Tolerances and Smooth Finishes with Advanced CNC Machining Techniques

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, Blackenning, Zinc/Nickl Plating, Polish,,Passivation PVD, Titanium Plating,Electrogalvanizing,electroplating chromium, electrophoresis, QPQ(Quench-Polish-Quench),Electro Polishing,Chrome Plating, Knurl,Power coating,Laser etch Logo,
Tolerance	±0.01mm ±0.05mm
Drawing format	STEP,STP,GIS,CAD,PDF,DWG,DXF etc or samples.

Application Of Precision Brass CNC Parts for Tight Tolerances and Smooth Finishes with Advanced CNC Machining Techniques

1. Auto Components Hardware Parts Auto Parts
2. Communication Equipment
3. Industrial Equipment
4. Medical EquipmentsMechanical 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

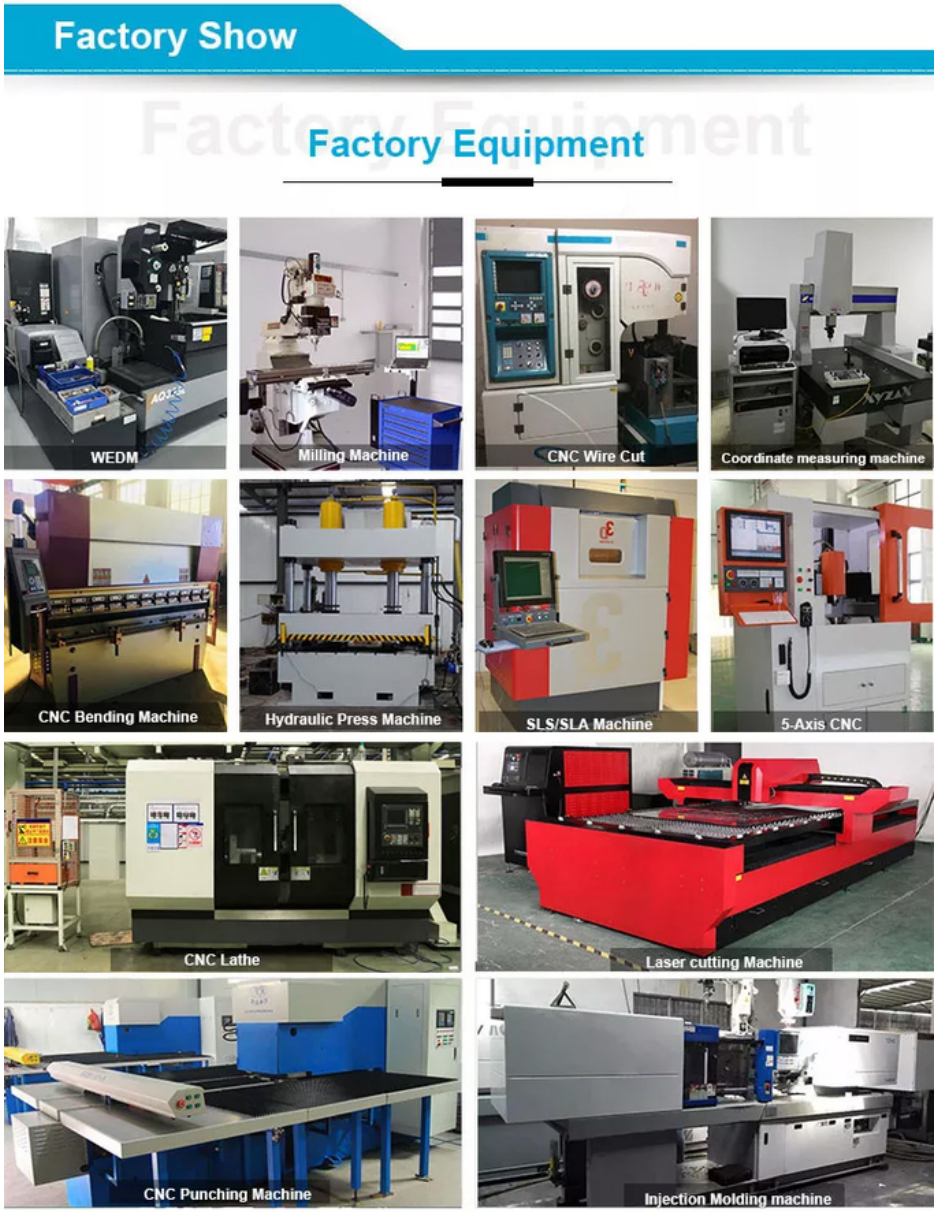
Advantages

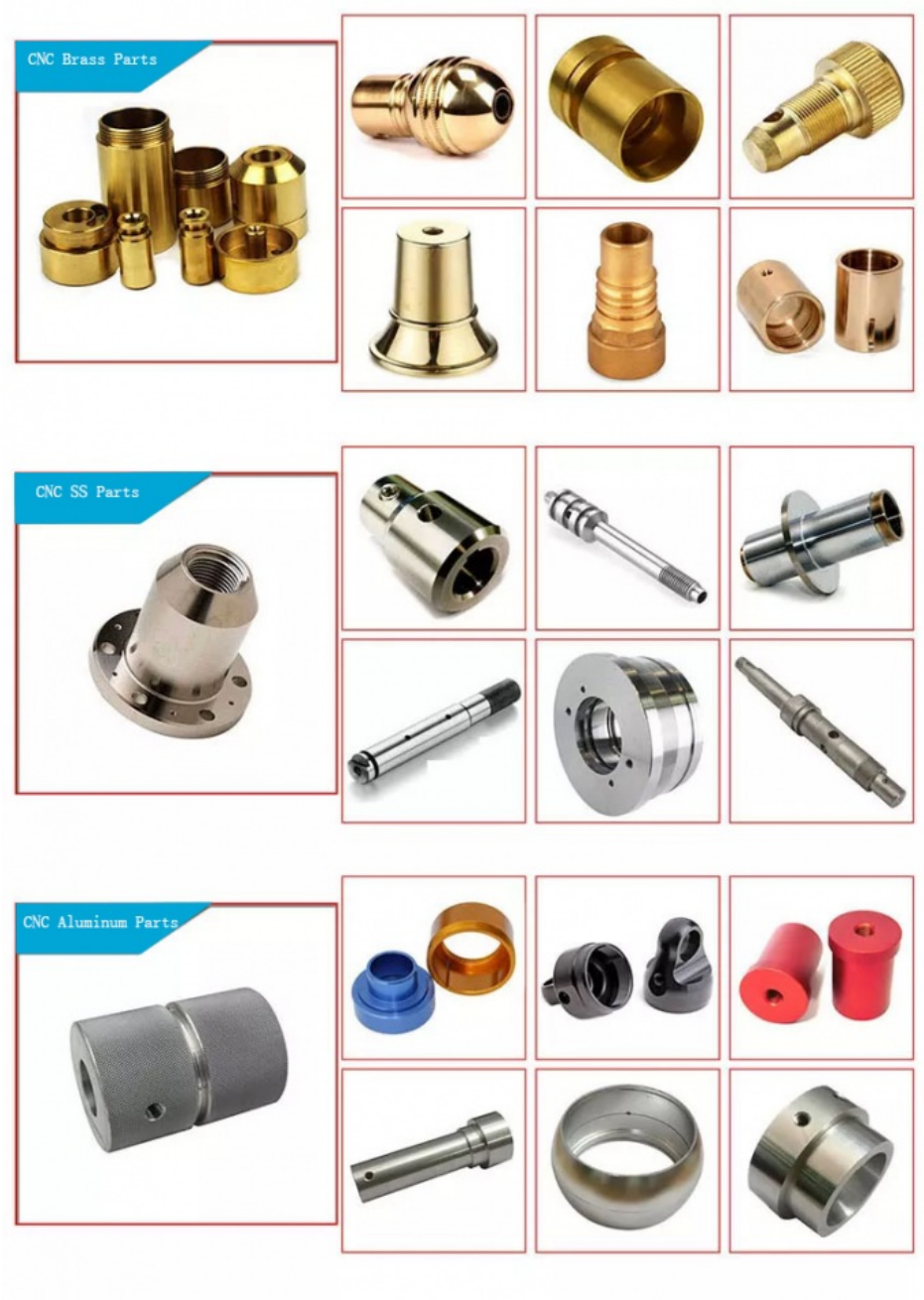
Exceptional Machinability and Efficiency
Brass is softer and more ductile than many metals, allowing CNC machines to operate at higher speeds with less tool wear. This results in faster production cycles, lower labor costs (up to 40% faster machining times), and reduced tooling expenses (tool life can double compared to aluminum). The combination of speed and durability minimizes downtime and maximizes throughput.

Superior Surface Quality and Aesthetic Appeal
The natural golden luster of brass, combined with CNC's ability to produce mirror-like finishes, eliminates the need for extensive post-processing. Parts can be polished, plated, or coated directly after machining, reducing scrap rates (typically <2%) and enhancing cost-effectiveness. This is ideal for decorative hardware, architectural elements, and consumer electronics.

High Precision and Repeatability
CNC machines follow digital blueprints with sub-micron accuracy, ensuring every part meets the specified tolerances. This eliminates human error and variability, making it possible to design closer to actual requirements (tolerance safety margins can be reduced by 30% compared to aluminum). Industries like automotive and aerospace rely on this consistency for critical components such as connectors, valves, and fittings.

Cost-Effective Production for Small and Large Batches
Advanced CNC shops offer flexibility with no Minimum Order Quantity (MOQ), enabling cost-effective production of both prototypes and high-volume runs. The balanced approach to tolerances (e.g., ±0.001″ for critical features and ±0.003″ for non-critical ones) reduces manufacturing costs by up to 25% while maintaining functionality. This scalability supports industries with fluctuating demand, such as electronics and plumbing.





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.

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