Precision Brass CNC Parts for Aerospace Medical and Electronics with Tight Tolerances and Advanced Machining Techniques

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: BS-CNC-082
- 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

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

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Product Description

What We Can Provide

Precision Brass CNC Parts for Aerospace Medical and Electronics with Tight Tolerances and Advanced Machining Techniques

Description of Precision Brass CNC Parts for Aerospace Medical and Electronics with Tight Tolerances and Advanced Machining Techniques

Precision brass CNC parts are critical components in aerospace, medical, and electronics industries, where tight tolerances, durability, and reliability are non-negotiable. Brass, an alloy of copper and zinc, is favored for its excellent machinability, corrosion resistance, and electrical conductivity. When processed using advanced CNC (Computer Numerical Control) machining techniques, brass parts achieve unparalleled precision, meeting the stringent requirements of these high-stakes sectors.

Specification of Precision Brass CNC Parts for Aerospace Medical and Electronics with Tight Tolerances and Advanced 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 Aerospace Medical and Electronics with Tight Tolerances and Advanced 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 Accuracy and Consistency
CNC machining eliminates human error through automated tool paths, ensuring every part meets identical specifications. This is vital for aerospace components where a 0.001mm deviation could compromise safety, or for medical devices requiring biocompatibility and repeatability.

Cost-Effectiveness at Scale
Brass's high machinability reduces tool wear and production time, lowering costs for high-volume orders. For example, aerospace manufacturers can produce thousands of precision fittings with minimal waste, while electronics firms benefit from affordable prototyping and mass production.

Corrosion Resistance and Longevity
Brass resists tarnishing and corrosion, making it ideal for harsh environments. Medical devices like surgical instruments or electronic connectors exposed to moisture or chemicals maintain performance over decades, reducing replacement costs.

Design Flexibility for Complex Geometries
Advanced CNC techniques enable the production of parts with intricate shapes, such as aerospace turbine blades with internal cooling channels or medical implants with porous structures for bone integration. This flexibility accelerates innovation in product design.

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.

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