



## Lightweight Brass Components Structural Efficiency Through CNC Optimization Supplier Factory

### Our Product Introduction

for more products please visit us on [cnc-metalmachining.com](http://cnc-metalmachining.com)

#### Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: BS-CNC-087
- 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

#### Lightweight Brass Components Structural Efficiency Through CNC Optimization Supplier Factory

##### Description of Lightweight Brass Components Structural Efficiency Through CNC Optimization Supplier Factory

A supplier specializing in lightweight brass components leverages CNC optimization to enhance structural efficiency while maintaining precision and durability. By integrating advanced CNC milling and turning technologies, these suppliers produce brass parts with optimized geometries, reduced material waste, and improved performance.

##### Specification of Lightweight Brass Components Structural Efficiency Through CNC Optimization Supplier Factory

|                |                                                                                                                                                                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Business Type  | CNC Machined Parts Factory / Manufacturer                                                                                                                                                                                                                             |
| Service        | 1. CNC Machining<br>2. Turning and Milling<br>3. CNC Turning<br>4. OEM Parts                                                                                                                                                                                          |
| Material       | Aluminum: 5052,6061, 6063, 6082,7075-T etc<br>2. Steel: 4140, Q235, Q345B, etc.<br>3.Titanium: TA1,TA2/GR2, TA4/GR5, TC4, TC18,etc.<br>4.Stainless steel: 303,304,316L, etc.<br>5.Brass: C36000 , C37700 , C26800, C22000 etc<br>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,IGES,CAD,PDF,DWG,DXF etc or samples.                                                                                                                                                                                                                         |

##### Application Of Lightweight Brass Components Structural Efficiency Through CNC Optimization Supplier Factory

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

##### High Precision & Consistency

CNC automation ensures  $\pm 0.001$ -inch tolerances, critical for applications like aerospace fittings or electronic connectors. Example: A supplier achieved 98.5% (yield rate) for brass Type-C connector housings (wall thickness 1.2mm) with high-gloss finishes.

##### Material & Cost Efficiency

Optimized cutting paths reduce brass waste by up to 30%, lowering raw material costs. Example: Producing 50,000 lightweight brass gears annually saves 15% in material expenses compared to traditional methods.

##### Enhanced Structural Performance

Lightweight designs improve energy efficiency in automotive and robotics applications. Example: A brass robotic arm joint weighing 40% less than its steel counterpart maintained equivalent load-bearing capacity due to CNC-optimized ribbing.

### Rapid Prototyping & Customization

CNC programming allows for fast design iterations, reducing lead times from weeks to days.

Example: A supplier delivered 3-day prototyping for custom brass medical device components, accelerating product development.

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



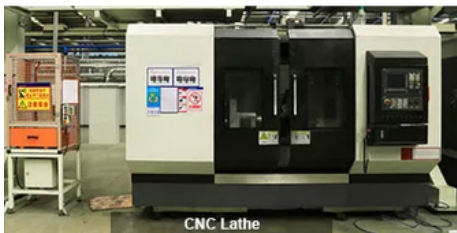
Hydraulic Press Machine



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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