



Advanced CNC Turned Manufacturing Plastic Metal Material CNC Machined Turning Components Supplier

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: TN-CNC-94
- 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: CNC Milling
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodized, Anodizing, Anodize/natural, Sandblast, Silk Screen
- Service: OEM/ODM, OEM ODM Metal Stamping, Customized OEM OEM ODM, OEM Service
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Color: As Per Customers' Requirement



More Images



Product Description

What We Can Provide

Advanced CNC Turned Manufacturing Plastic Metal Material CNC Machined Turning Components Supplier

Description of Advanced CNC Turned Manufacturing Plastic Metal Material CNC Machined Turning Components Supplier

An Advanced CNC Turned Manufacturing Supplier specializes in producing high-precision cylindrical components (e.g., shafts, pins, fittings) using Computer Numerical Control (CNC) turning technology. This process involves rotating a workpiece while a stationary cutting tool removes material to achieve exact dimensions, tolerances, and surface finishes. The supplier leverages multi-axis CNC lathes (3-axis to 5-axis) with live tooling capabilities, enabling simultaneous turning, milling, drilling, and tapping operations. Materials range from plastics (e.g., PEEK, PTFE, POM, Nylon) to metals (e.g., aluminum, stainless steel, titanium), catering to industries like aerospace, automotive, medical, and electronics. The supplier combines automation, advanced sensors, and quality control systems (e.g., ISO certifications) to deliver scalable production (prototypes to 100,000+ parts) with minimal lead times.

Specification of Advanced CNC Turned Manufacturing Plastic Metal Material CNC Machined Turning Components Supplier

| CNC Capacity | | | | |
|-----------------------|---|----------------|---------------------------|-----------------|
| CNC Machining Center | 3 / 4 / 5 axis CNC Machining Centers | | 40+ CNC Machines | |
| CNC Turning | φ0.5 - φ300 * 750 mm | | DIN-2768-Fine +/-0.005 mm | |
| CNC Machining | 1270×508×635 mm(max) | | DIN-2768-Fine +/-0.005 mm | |
| CNC Stamping | 1000 * 1000 mm(max) | | DIN-2768-Fine +/-0.005 mm | |
| Drawing Format | IGS,STP,X_T ,DXF,DWG , Pro/E, PDF | | | |
| Inspection Equipments | Measurement Instrument, Projector, CMM, Altimeter, Micrometer, Thread Gages, Calipers, Pin Gauge etc. | | | |
| Material Available | | | | |
| Stainless Steel | SS201,SS301, SS303, SS304, SS316, SS416, 17-4PH, etc. | | | |
| Steel | Mild steel, Carbon Steel, 4140, 4340, Q235, Q345B, 20#, 45# etc. | | | |
| Brass | HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90 etc. | | | |
| Copper | C11000,C12000,C12000 C36000 etc. | | | |
| Aluminum | AL6061, AL6063, AL6082, AL7075, AL5052, A380 etc. | | | |
| Iron | A36, 45#, 1213, 12L14, 1215 etc. | | | |
| Plastic | ABS, PC, PE, POM, Delrin, Nylon, Teflon, PP,PEI, Peek etc. | | | |
| Surface Finishing | | | | |
| Aluminum Parts | Stainless Steel Parts | Steel Parts | Copper /Brass | Plastic Parts |
| Clear Anodized | Polishing | Zinc plating | Polishing | Painting |
| Color Anodized | Passivating | Oxide black | Passivation | Chrome plating |
| Sandblast Anodized | Sandblasting | Nickel plating | Galvanized | polishing |
| Chemical Film | Laser engraving | Chrome plating | Nickel Plating | Sandblast |
| Brushing | | Carburized | Chrome plating | Laser engraving |
| Polishing | | Heat treatment | | |
| Chroming | | Powder Coated | | |

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)

Application Of Advanced CNC Turned Manufacturing Plastic Metal Material CNC Machined Turning Components Supplier

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

Why Choose Us

Our Advantages

Ultra-High Precision & Tight Tolerances

CNC turning achieves dimensional accuracy up to $\pm 0.001''$, far surpassing injection molding or 3D printing. This is critical for applications like medical implants or aerospace engine components, where even minor deviations can compromise safety or performance. Multi-axis machines enable complex geometries (e.g., helical grooves, tapers) with consistent quality across batches.

Material Versatility & Customization

The supplier handles over 30 plastic and metal materials, including high-performance polymers (PEEK for heat resistance) and exotic alloys (titanium for lightweight durability). Custom material selection optimizes cost, weight, and functionality. For example, PTFE is used for non-stick medical components, while aluminum alloys are preferred for automotive parts requiring strength-to-weight ratios.

Scalable Production & Cost Efficiency

CNC turning reduces costs by 30–50% compared to manual machining for high-volume runs. Automated tool paths minimize labor and material waste, while live tooling integrates multiple operations into a single setup. This flexibility supports rapid prototyping (1–10 parts) and mass production (10,000+ parts) without sacrificing precision.

Advanced Technology & Quality Assurance

Suppliers employ 5-axis CNC machines with real-time monitoring and IoT sensors for predictive maintenance. Quality checks include CMM (Coordinate Measuring Machine) inspections and SPC (Statistical Process Control) to ensure compliance with standards like AS9100 (aerospace) or ISO 13485 (medical). Automated reporting provides traceability for every part produced.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



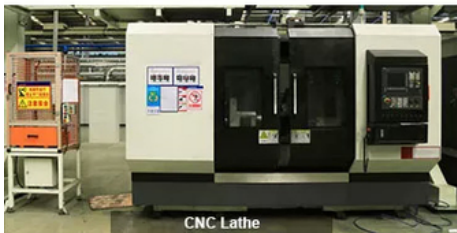
Hydraulic Press Machine



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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