



Small-Scale CNC Turning Parts with Exceptional Surface Finishes for Industrial Machinery Fabrication

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-86
- 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

Small-Scale CNC Turning Parts with Exceptional Surface Finishes for Industrial Machinery Fabrication

Description of Small-Scale CNC Turning Parts with Exceptional Surface Finishes for Industrial Machinery Fabrication

Small-scale CNC turning parts are precision-engineered components produced through Computer Numerical Control (CNC) turning processes, tailored specifically for industrial machinery fabrication. These parts are characterized by their high dimensional accuracy, intricate geometries, and, most notably, exceptional surface finishes. CNC turning utilizes automated lathes equipped with advanced tooling and cutting parameters to shape metal or plastic workpieces into desired forms with minimal manual intervention, ensuring consistent quality and repeatability. The exceptional surface finishes achieved through this process reduce friction, enhance wear resistance, and improve the overall aesthetic and functional performance of the machinery in which they are integrated.

Specification of Small-Scale CNC Turning Parts with Exceptional Surface Finishes for Industrial Machinery Fabrication

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 Small-Scale CNC Turning Parts with Exceptional Surface Finishes for Industrial Machinery Fabrication

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

Enhanced Precision and Consistency:

CNC turning machines operate with high precision, ensuring that each part produced adheres strictly to the specified dimensions and tolerances. This level of accuracy is crucial in industrial machinery, where even minor deviations can lead to performance issues or premature failure. The exceptional surface finish further contributes to the consistency of the parts, reducing variability in friction and wear characteristics across multiple units.

Improved Durability and Wear Resistance:

The smooth surface finish achieved through CNC turning reduces the contact area between moving parts, thereby minimizing friction and wear. This extends the service life of the components and the machinery as a whole, reducing maintenance costs and downtime. Additionally, the high-quality surface finish can enhance the effectiveness of coatings or lubricants applied to the parts, further improving their durability.

Increased Efficiency and Performance:

Small-scale CNC turning parts with exceptional surface finishes contribute to the overall efficiency of industrial machinery by reducing energy consumption due to lower friction. Smooth surfaces also facilitate better fluid flow in hydraulic or pneumatic systems, improving the responsiveness and accuracy of the machinery. These factors collectively enhance the performance and productivity of the industrial processes in which the machinery is employed.

Cost-Effective Production and Scalability:

While CNC turning may require an initial investment in equipment and programming, it offers significant cost savings in the long run. The automated nature of the process reduces labor costs and minimizes human error, leading to higher yields and lower scrap rates. Moreover, CNC turning is highly scalable, allowing for the efficient production of both small and large batches of parts without compromising on quality or surface finish. This flexibility makes it an ideal choice for industrial machinery fabricators who need to adapt to changing market demands or project requirements.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



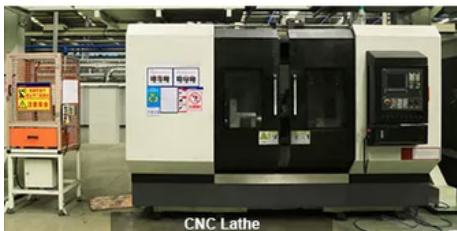
Hydraulic Press Machine



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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