CNC Turned Parts Supplier Manufacturer Factory with Integrated Thread Milling & Cross-Drilling

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-96
- 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

Our Product Introduction

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

Product Description

What We Can Provide

CNC Turned Parts Supplier Manufacturer Factory with Integrated Thread Milling & Cross-Drilling

Description of CNC Turned Parts Supplier Manufacturer Factory with Integrated Thread Milling & Cross-Drilling

A leading manufacturer specializing in precision CNC turned parts with advanced capabilities for integrated thread milling and cross-drilling, designed to meet the exacting demands of industries such as aerospace, automotive, medical devices, and industrial machinery. This factory combines multi-axis CNC turning technology with simultaneous thread milling and cross-drilling operations in a single setup, enabling the production of complex components with unmatched dimensional accuracy, structural integrity, and functional performance. The integration of these processes eliminates the need for secondary operations, reduces setup times, and ensures tight tolerances (±0.005mm or finer) across critical features like threaded holes, cross-drilled channels, and hybrid geometries.

Specification of CNC Turned Parts Supplier Manufacturer Factory with Integrated Thread Milling & Cross-Drilling

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 CNC Turned Parts Supplier Manufacturer Factory with Integrated Thread Milling & Cross-Drilling

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 & Geometric Complexity
By integrating thread milling (for helical thread profiles with superior surface finish) and cross-drilling (for perpendicular or angled holes) in a single CNC operation, the factory achieves ±0.003mm tolerances even on intricate geometries. This minimizes assembly errors in components like hydraulic manifolds, robotic actuators, and precision instrumentation, where misalignment can compromise performance. For example, cross-drilled holes in medical implants ensure optimal fluid flow without leakage, while threaded inserts in aerospace fittings guarantee secure, vibration-resistant connections.
Streamlined Production Efficiency
The single-setup approach reduces part handling, tool changes, and re-clamping by up to 40%, slashing lead times for complex parts. This efficiency is critical for high-mix/low-volume production runs (e.g., custom automotive prototypes or medical device components) where rapid iteration and cost control are paramount. Real-time monitoring via CNC machine sensors ensures consistent quality across batches, eliminating rework and scrap.
Material Versatility & Performance Optimization
The factory leverages expertise in machining diverse materials—including aerospace-grade aluminum (7075-T6), corrosion-resistant stainless steel (316L), and high-strength titanium (Ti-6Al-4V)—to tailor parts to application-specific needs. For instance, thread milling in heat-treated steel ensures durable threads in high-stress automotive drivetrains, while cross-drilled titanium spacers in aerospace engines balance lightweight design with thermal stability. Secondary operations like anodizing, PVD coatings, or laser etching can be integrated seamlessly to enhance corrosion resistance, wear properties, or branding.
Certified Quality & Full Traceability
Compliant with ISO 9001:2015, AS9100 (aerospace), and IATF 16949 (automotive) standards, the facility implements rigorous quality control protocols. Each part undergoes in-process inspections via coordinate measuring machines (CMM) and optical scanning, with full traceability from raw material batch to finished product. This ensures compliance with critical specifications (e.g., ASTM, SAE, or MIL-STD) and provides audit-ready documentation for industries where regulatory compliance is non-negotiable—such as medical implants (ISO 13485) or oil/gas components (API standards).

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.

Shenzhen Xianheng Technology Co.,Ltd

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