Precision Engineering for Aerospace Stainless Steel CNC Parts Driving Innovation Supplier

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: ST-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: Customized OEM
- Keyword: Stainless Steel Milling Parts
- Quality Control: 100% Inspection Berore Shipment, 100% Full Inspection

More Images

Our Product Introduction

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

Product Description

What We Can Provide

Precision Engineering for Aerospace Stainless Steel CNC Parts Driving Innovation Supplier

Description of Precision Engineering for Aerospace Stainless Steel CNC Parts Driving Innovation Supplier

This supplier specializes in manufacturing high-precision stainless steel CNC-machined components tailored for the aerospace industry. By leveraging advanced CNC (Computer Numerical Control) technology and stringent quality control, they deliver parts that meet the exacting standards of aerospace applications—including tight tolerances, durability under extreme conditions, and compliance with industry certifications (e.g., AS9100, NADCAP). Their focus on innovation drives continuous improvement in material science, machining techniques, and surface finishes, enabling aerospace OEMs to achieve lighter, stronger, and more reliable components for aircraft engines, structural frames, and critical systems.

Specification of Precision Engineering for Aerospace Stainless Steel CNC Parts Driving Innovation Supplier

Custom Metal Solutions

Candle Holders/Cups	Medical Containers	Metal End Covers	Mobile Phone Shells
Crafts Stamping Parts	Tablewares	Aluminum Lids	Cabinet Enclosures
Lighting Stamping Parts	Filters/Strainers	Cosmetic Caps	Furniture Accessories
Metal Brackets/Stands	Protective Shields	Essential Oil Caps	Door&Window Fittings
Electronic Components	Sheet Metal Panels	Perfume Caps	Shafts/Sleeves/Gears
Electrical Connections	Cooling Fins	Wine Bottle Caps	Fasteners
Metal Structures	Metal Contact Clips	Jar Caps	Machinery Parts
Car Spare Parts	Motor Spare Parts	Glass Bottle Caps	Pipe Fittings/Elbows

Application Of Precision Stainless Steel CNC Accessories High-Durability Solutions for Industrial Machining

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

1. Ultra-High Precision & Consistency
CNC machining ensures repeatability with tolerances as tight as ±0.001mm, critical for aerospace components where even microscopic deviations can compromise safety.
Automated processes reduce human error, guaranteeing consistent quality across large production batches.

2. Material Expertise for Aerospace Demands
Specializes in aerospace-grade stainless steels (e.g., 304, 316, 17-4 PH) that offer corrosion resistance, high strength-to-weight ratios, and thermal stability at extreme temperatures.
Optimizes material selection to balance performance (e.g., fatigue resistance) and cost-efficiency for specific applications like turbine blades or landing gear.

3. Certified Compliance & Traceability
Adheres to aerospace standards (AS9100D, ISO 9001:2015) and provides full material traceability from raw stock to finished parts, ensuring accountability.
Certifications like NADCAP validate specialized processes (e.g., heat treatment, NDT inspections), meeting stringent aerospace requirements.

4. Innovation-Driven Customization

Collaborates with engineers to co-design parts that leverage CNC flexibility—such as lightweight lattice structures or integrated cooling channels—to enhance performance.
Invests in R&D for advanced finishes (e.g., passivation, electropolishing) and hybrid manufacturing techniques (e.g., CNC + additive manufacturing) to push design boundaries.

Factory Show

Factory Equipment

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.

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