



Slinar Technology (Shenzhen) Co, Ltd.

Professional high precision CNC machining, rapid delivery, and a wide range of materials; supports non-standard customization.

Equipped with multiple 3-, 4- and 5-axis imported high-speed machining centers (brands such as Fanuc and Brother) and automated industrial production lines to meet needs ranging from small-batch prototyping to mass production.

Supports the machining of over 50 types of materials, including aluminum, stainless steel, alloy steel and engineering plastics.



Catalogue

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About us

Slinar Located in Longhua, Shenzhen, is a comprehensive provider of CNC machining services. The company has long served numerous enterprises, including Foxconn, Sejong, and Dobot.

Equipment and Precision

Equipped with advanced imported machinery, include CNC control system, wire-cut EDM system and precision measuring instruments, the facility achieves CNC machining precision of up to 0.002 mm.

Service Philosophy

Committed to providing customers with high-quality products and services, meeting production needs ranging from small-batch to mass production, and ensuring timely delivery and high-precision quality.

Scope of Business

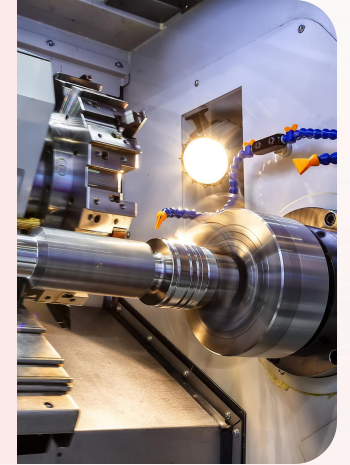
CNC Milling Service

Over 50 different metal and plastic materials can be sourced and customized for high-precision CNC milling, meeting diverse material requirements.



CNC Turning Service

Custom turned parts are manufactured according to rigorous standards to ensure dimensional precision and performance stability.



Surface treatment

A variety of surface treatment options are available to enhance the aesthetic appeal and corrosion resistance of parts, thereby extending product service life.



Assembly Service

We provide rapid assembly services for precision molds and products, enabling one-stop processing and assembly to enhance production efficiency and shorten delivery lead times.



Core business



OEM Machining of Automation Equipment Parts

Specializing in OEM machining services for automation equipment components, we provide customers with end-to-end customized solutions, ranging from design to production.



Support for Equipment R&D and Non-Standard Part Machining

We provide professional technical support and customized manufacturing services to meet the parts machining needs associated with equipment R&D and non-standard equipment.



Factory Responsiveness and Price Advantages

The factory responds directly to customer needs, shortening the communication chain to ensure rapid delivery; by eliminating intermediaries, it offers more competitive prices.

Production equipment



01

Multi-axis CNC machining equipment

Equipped with 3-axis, 3+2-axis, and 5-axis CNC machine tools, the facility meets high-precision machining requirements for complex parts, enabling multi-sided machining and the shaping of complex curved surfaces.

02

High-speed and multi-tasking machining equipment

Equipped with high-speed CNC machine tools and turn-mill centers, the facility enhances machining efficiency and precision, supporting integrated multi-process operations such as turning and milling.

03

Precision Forming and Surface Treatment Equipment

Equipped with slow-feeding wire-cut EDM machines, grinding centers, and sandblasting machines, the facility performs precision shaping and surface treatment, ensuring the quality and appearance of the parts.

Processing capabilities

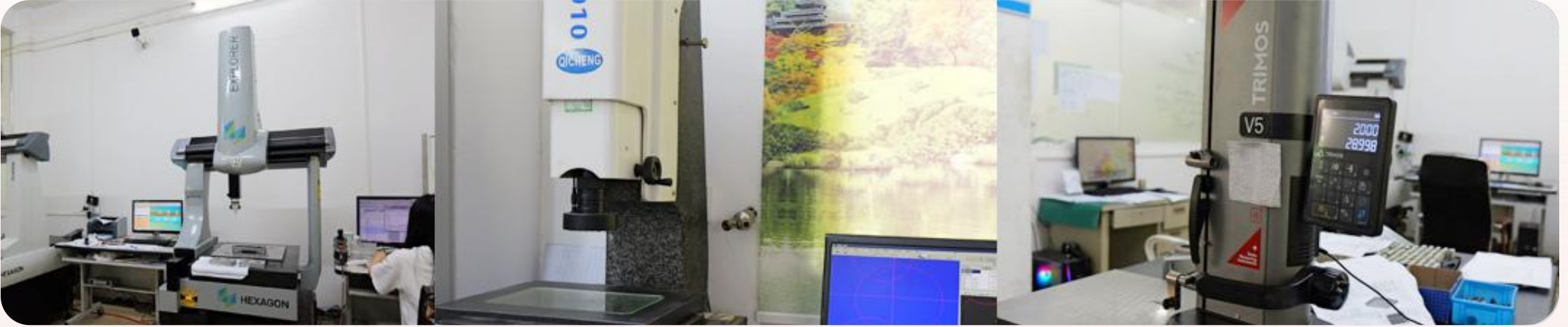
Feature	Describe
Maximum part size	Milled parts can measure up to $1,200 \times 610 \times 610$ mm. Turned parts can reach a length of 1,500 mm and a diameter of 500 mm.
Standard delivery time	7-15 working days
General tolerances	Unless otherwise specified, tolerances for metals shall be ± 0.127 mm in accordance with ISO 2768. For plastics and composite materials, the tolerance shall be ± 0.254 mm.
Accuracy tolerance	We can manufacture and inspect parts to strict tolerances—including those tighter than ± 0.001 "—based on your drawing specifications and GD&T callouts.
Minimum feature size	0.50 mm. This may vary depending on the part geometry and the selected material.
Threads and threaded holes	It accommodates any standard thread size. We can also machine custom threads; these require a manual quote review.
Boundary conditions	By default, sharp edges are broken and deburred.
Surface finish	The available range for machined surface finish is Ra 6.6 to Ra 0.4. Additional finishing options can be specified when requesting a quote.



Production equipment

Equipment Name	Quantity (set)	Place of origin	Brand	Precision(mm)
CNC Machining Center	10	Japan	FANUC 500、Brother	0.01
High-Speed Machining Center	2	Switzerland	Mikron 550	0.005-0.01
CNC Machining Center	12	China	(VMC)/(HMC)	+/-0.001
Wire EDM (Low-Speed)	3	Japan	Mitsubishi WV1200	0.005
Wire EDM (Medium-/High-Speed)	6	China	Xeofon	0.01
Profile Grinding Machine	8	China	Wang Pan ESG-618M	0.002-0.005m
Surface Grinding Machine	2	Taiwan	Kent KGS-510AH	0.005
Mirror Finish EDM Machine	2	China	Mirrordick	0.005-0.008
Injection Molding Machine	5	China	Vertical Injection Molding Machine	120TONS
Milling Machine	13	China	Pioneer/Fengbao	0.05
Welding Machine	22	China	Multi-Brand	/

Testing instruments



Coordinate Measuring Machine (CMM)

Equipped with a high-precision CMM, it enables precise measurement of 3D spatial coordinates, ensuring accurate control of geometric dimensions for complex parts.

2D Projector

Utilizing advanced VMM and optical imaging technology, it enables rapid inspection of part surface features and is suitable for the high-precision measurement of intricate structures.

3D Video Microscope

3D video microscopes clearly reveal the microstructure of components and offer high magnification, providing intuitive visual support for surface quality inspection.

Other precision instruments

Equipped with equipment such as an atomizer, coating thickness gauge, and height gauge, comprehensively covering testing requirements across multiple dimensions, including material properties, coating thickness, and height dimensions.

Testing instruments

Equipment Name	Quantity (set)	Place of origin	Brand	Precision (mm)
Coordinate Measuring Machine (CMM)	2	China	RATIONAL	0.002
Vision Measuring Machine (VMM)	2	China	Wang Min	0.005
Height Gauge	2	Japan	Mitutoyo	0.001
Optical Comparator	1	Taiwan	RATIONAL	0.001
Height Gauge	2	Japan	Nikon	0.001
Rockwell Hardness Tester	2	China	HR-150A	HRC1
Calipers / Micrometers	several	China/Taiwan	Multi-Brand	0.001
Others	Measuring Instruments, Gauges(Ring, Pressure, Feeler), Knife Edge Straightedge, Dial Indicators			

Industry Solutions

01

Industrial Machinery Solutions

Dedicated to the manufacturing of industrial-grade mechanical components, we ensure optimal machine performance through precision machining, providing reliable support with essential core components for industrial production.

02

Robotics and Automation Solutions

Manufacturing complex robotic parts, end-effectors, and automated machinery for innovative industries, thereby facilitating the efficient operation and functional performance of robotics and automation equipment.

03

Aerospace Solutions

Manufacturing aerodynamic components for aircraft, drones, satellites, and rockets, meeting the aerospace industry's rigorous demands for high precision and high reliability.

04

Consumer Electronics Solutions

Manufacture parts—such as those for gaming devices, audio and video equipment, and smart home products—that require high aesthetic appeal, thereby enhancing the visual quality and user experience of consumer electronics.

05

Medical Solutions

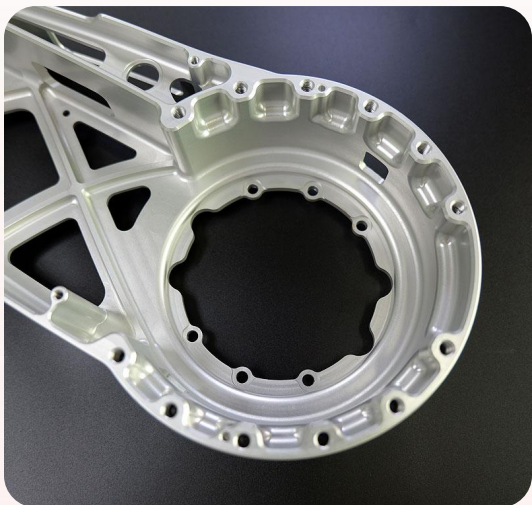
We specialize in the machining of components for medical and diagnostic equipment, bringing healthcare innovations to hospitals and homes while ensuring the supply of critical parts for the development of the medical industry.

06

Automotive Energy Solutions

Support the rapid development of electric vehicles, charging equipment, and other automotive innovations by supplying a wide range of automotive components, thereby facilitating technological progress and upgrading within the automotive industry.

CNC Milling Cases



Robot thigh joint

Formed in a single operation via 5-axis simultaneous machining, the component achieves precise control over the curved profiles and mating surfaces of the robot joint—maintaining tolerances within 0.001 mm—while ensuring lightweight construction alongside the transmission rigidity and durability required for extreme operating conditions.



Semiconductor components

This semiconductor component is manufactured from aluminum alloy using precision CNC machining and a hard-anodized finish for corrosion resistance, achieving exceptional surface smoothness and cleanliness. It meets rigorous standards, ensuring the stable operation of the equipment.



Medical equipment parts

This medical device component is precision-machined from biocompatible materials, featuring a complex structure and high contour accuracy. It strictly complies with cleanliness and sterilization standards, ensuring stability and reliability during surgical procedures or diagnostic testing.



Automation equipment chamber

The housing is precision-milled from a single block of high-rigidity aluminum alloy, featuring a reliable, sealed structure. It provides precision protection and stable support for automation equipment, meeting the requirements for high-precision assembly.

CNC Milling Cases



Automation components



Gimbal parts



Gimbal parts



Turbine parts

CNC Turning Cases



Shaft-type parts

This shaft component is manufactured using high-precision cylindrical grinding and threading processes, resulting in excellent concentricity and cylindricity. It is designed to meet the demands of heavy-load or high-speed rotational applications, ensuring the stability and durability of the drive system.



Drive shaft components

This drive shaft component is manufactured from alloy steel using a quench-and-temper process and precision grinding, with critical tolerances controlled at the micron level. It exhibits excellent torsional strength and fatigue life, ensuring efficient and smooth power transmission.



Valve body

The valve body is precision-machined from brass, featuring smooth flow passages and flat sealing surfaces. It offers excellent corrosion resistance and machinability, ensuring precise flow control and reliable sealing.



Multi-link drive shaft

This multi-link drive shaft is precision-machined from high-strength alloy steel, with tightly controlled tolerances for all journals and mating surfaces. This ensures motion accuracy and torsional rigidity during multi-joint operation, meeting the demands of complex power transmission.

Processing Cases



Turn-mill composite parts



Brass parts



Valve body parts



**Stainless Steel &
Aluminum Alloy Parts**

Wire-cut EDM Cases



Gear parts



Gear parts

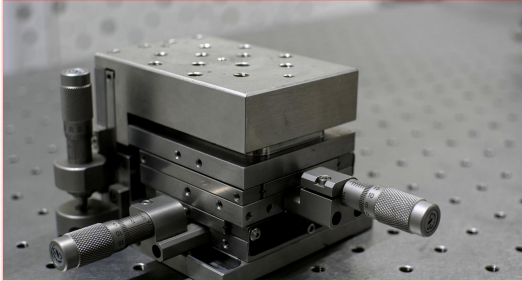


Gear parts



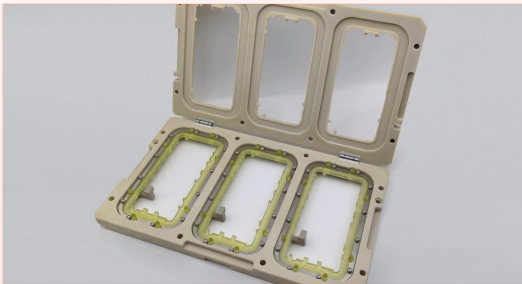
Stainless steel parts

Fixture Cases



Apple complete machine assembly fixture

It achieves a repeatability of $\pm 0.002\text{mm}$ and is suitable for the assembly processes of Apple's product lines; it has already undergone mass-production validation by key contract manufacturers such as Foxconn.



Mobile phone module testing fixture

It can simultaneously perform flatness and alignment inspections on mobile phone screens, reducing the inspection time per unit to 8 seconds and achieving a defect detection rate of 99.8%.



Memory module packaging fixture

Designed for the packaging requirements of DDR series memory modules, this system features anti-static and constant-temperature capabilities, enabling precise press-fit packaging for DDR5 memory modules.



Contact Information



01

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Slinar Technology
(Shenzhen) Co, Ltd.



02

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