

A CNC Rising Star

with a Pharmaceutical-Grade Quality Mindset:



Small Parts.
Big Responsibility.
Built to Last.

JINXIANG PRECISION MANUFACTURING

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Bringing Pharmaceutical-Grade Quality into CNC

In what is often seen as a mature precision parts industry, most manufacturers compete on speed and price. Jinxiang, however, has chosen a different path—bringing a pharmaceutical-grade quality mindset into the CNC machining environment. Founded in 2025, the company builds on years of machining expertise and supply chain support from its parent company, Yuh Chyang Hardware Industrial. This foundation allows the young team to start with stable production capabilities and solid quality control from day one. For Jinxiang, though, this is just the beginning.

The company specializes in machining small-diameter metal bar components ranging from 1 mm to 20 mm (up to 25 mm in some cases). Working with materials such as stainless steel, iron, aluminum, and copper, the company provides one-stop services based on customer drawings, samples, or specifications—from custom machining and prototyping to small-batch trials and full-scale production. Dimensional tolerances are consistently maintained within ± 0.01 – 0.02 mm, with the potential for even tighter precision depending on material and structure. However, the company places greater emphasis not on single-part accuracy, but on consistency across mass production. “The real challenge isn’t making one qualified part—it’s making tens of thousands of parts with consistent dimensions and quality.”

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Grade Quality into CNC

Expanding into the High-
Precision Market



Consistency Is the Real Competitive Edge

The facility is equipped with multiple Swiss-type CNC automatic lathes, including Cincom L20 and A20 models from Japan, as well as several Tsugami models such as the S205A and BO205. These machines excel at producing small-diameter, high length-to-diameter ratio components that require multi-process integration, delivering both efficiency and stability in continuous production and complex turning operations.

Unlike large-scale production lines, the company maintains a lean team covering production, process management, quality inspection, and shipping. This structure enables more direct communication between process and quality teams. When product conditions change or anomalies occur, decisions and adjustments can be made immediately—without going through multiple layers of reporting and relay. In addition to its own precision machining lines, the company can seamlessly leverage the existing production lines and equipment resources of its parent company. With more than 100 lathes available across the integrated production network, the company is well positioned to scale production and align supply with varying customer volume requirements.

Every Part is Fully Traceable

The company's leader previously worked in the pharmaceutical industry, with extensive experience in process development and quality system establishment. This background led to integrating the pharmaceutical concept of "Quality by Design" into Jinxiang's CNC machining workflow: "Quality is not the result of final inspection—it is built into the manufacturing process during condition setting and product development!" By continuously optimizing machining parameters, cutting tool configuration, and process conditions, the company gradually identifies stable, repeatable production methods that maintain consistent quality even at mass production volumes. Moreover, every batch of products is fully traceable, with records of production date, machine used, tooling conditions, packaging date, and quality inspection results. When anomalies occur, the team can trace back to the actual process conditions, identify root causes, and implement corrections—not just sort out defective parts after the fact.

The company's products serve components across the automotive/motorcycle, industrial, hardware, machinery, and electronics sectors. Specific applications include precision-turned parts for engines and transmissions, brake system components, small metal terminals, special screws, and more. Looking ahead, the company plans to expand



into high-quality-demand industries such as medical devices, precision mechanical components, and automated equipment parts. In terms of market strategy, the company will prioritize clients who value quality stability and supply reliability. Initial export efforts will focus on Europe, the U.S., and Japan, entering these markets steadily through existing clients and traders.

Expanding into the High-Precision Market

Beyond overseas expansion, the company equally values collaboration opportunities with Taiwan's high-tech industry and precision manufacturing supply chain. Compared with overseas suppliers, the advantages of local machining lie not only in delivery time but also in the immediacy of communication and adjustment. From product development and sample modification to process optimization, discussions and corrections can be completed within a short timeframe, improving overall development efficiency and operational flexibility. Amid supply chain restructuring and localization trends, manufacturing in Taiwan is increasingly demonstrating its value. Through local supply, transportation distances are shortened, cross-border logistics risks are reduced, and supply chain transparency and delivery control are enhanced. For clients who prioritize supply stability and quality traceability, the company offers more than machining capability—it provides manufacturing support that continuously collaborates and adjusts in real time throughout product development and mass production process.

“ At Jinxiang, every single part is manufactured as if it were a product the company itself would use. In this industry, the real challenge has never been simply “making a part”—it’s “making the same part, the same way, every time.” And that is exactly where Jinxiang choode to focus. ■

JINXIANG
Precision Manufacturing

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