

# Needle Rollers for Bearings by **JTEKT Finetech Taiwan** Performance. Precision. Stability.

台灣捷太格特軸承滾針 性能、精度、穩定度兼具

## JTEKT

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In order to serve the large demand for needle rollers for bearings in the Japanese and international markets of its parent group JTEKT, JTEKT Finetech Taiwan Needle Roller Bearing Co., Ltd. was established in 1996 as a joint venture between Japanese JTEKT Finetech and Taiwanese construction screws manufacturer Fong Preat. With a scale of nearly 100 employees, coupled with advanced technology and improved manufacturing processes, JTEKT Finetech Taiwan specializes in manufacturing high precision needle rollers for bearings, and has been an essential contributor to the creation of highly competitive and high quality bearings in the industry for years. Not only are its products used by customers in the automobile/motorcycle, machine tool and industrial machinery fields, but its services are also available in Southeast Asia, Northeast Asia and Europe (especially in China, Japan, Thailand and Germany).

### Components Best for Efficient Bearing Operation

Whether the bearings are used in motorcycle crankshafts, camshafts, power tools, speed reducers, CVJs or EPS electronic steering systems, almost all of them rely on reliable and durable precision needle rollers to effectively distribute the load on bearings to ensure efficient operation at high speeds. Bearings with needle rollers made by JTEKT Finetech Taiwan not only exhibit high speeds, high wear resistance, high load capacity and low friction, but also help equipment to which they apply achieve efficient transmission and precise system control. To ensure the rigidity of needle rollers, JTEKT Finetech Taiwan utilizes high quality SUJ-2 bearing steel from Japan. Its ability to offer products with the outer diameter ranging from 1.5mm to 10.0mm and the outer diameter accuracy of  $\pm 1\mu\text{m}$  allows the company to meet the needs of customers in a wide array of high-precision applications.

“Advanced processing technology and automated inspection equipment allow us to accurately control the outer diameter of our products, achieving efficient production and consistent quality. The high precision, durability and stability make them ideal for use in automotive gearboxes, powertrains, air-con compressors, motorcycle crankshafts, linear guideways and power machine tools,” JTEKT Finetech Taiwan said.

### Full Traceability for Perfect Quality Control

JTEKT Finetech Taiwan prioritizes quality by implementing the IATF 16949 quality management system for full traceability of manufacturing processes, and also set up a professional in-house lab to carry out tests to ensure the compliance of product strength and durability with the stringent requirements of customers and international standards such as IATF 16949 and ISO. Such a strict QC policy also allows it to overcome the technical difficulties encountered in assisting large factory customers in developing customized needle rollers for linear guideways, and meet their requirements for product stability and high precision.

### More Industries to Serve

In addition to serving existing customers in the automotive field, JTEKT Finetech Taiwan will also focus on high-end markets such as AI robotics and high-precision equipment, and will strive to serve and satisfy the needs of customers in higher-end markets through process optimization and efforts to improve product precision and reliability. JTEKT Finetech Taiwan emphasizes, “We value product quality and are committed to sustainable development. We will continue to invest in technological improvements and environmental protection practices to provide customers with better and more efficient solutions, and look forward to working with more partners to create a brighter future.” ■