

Five Leading Reducer Manufacturers in China: Driving Precision Transmission Innovation and Industrial Automation Upgrades

An industry overview highlighting five companies with established track records in high-precision reducer production for domestic and export markets.

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New capacity and product development in China's reducer industry are beginning to mirror the wider shift toward automated production lines. This report profiles five China-based reducer manufacturers, with Guangdong [Starshine Drive](#) Co., Ltd. (Starshine Drive) as the focus. Starshine Drive is headquartered in Sanshui District, Foshan, Guangdong Province, traces its history to a mould factory established in 1965. The other four companies profiled are SEW-EURODRIVE (Tianjin) Co., Ltd., Jiangsu Tailong Reducer Co., Ltd., Nanjing High Accurate Drive Equipment Manufacturing Group Co., Ltd. (NGC), and Sumitomo Heavy Industries (Hangzhou) Transmission Co., Ltd.



STARSHINE DRIVE

LOGO FOR STARSHINE DRIVE

The global gear reducer market is valued at approximately USD 1.96 billion in 2026 and is projected to reach USD 2.58 billion by 2035, according to Business Research Insights. Asia Pacific accounted for 40.8% of industrial gearbox market revenue in 2025, according to Grand View Research. Indastra identifies planetary gearboxes as the fastest-growing segment, with a projected CAGR of 6.2% through 2030, driven by robotics and wind turbine applications.

Industry Context: Choosing the Right Reducer Platform

Reducers remain central to industrial motion control. Buyers connect them with motors, inverters, and controls to regulate speed and torque in conveyors, kilns, mixers, packaging lines, and material-handling systems. The main product families in China's reducer output include [worm gear reducers](#), planetary gear reducers, helical hypoid gear reducers, coaxial gear reducers, helical-bevel gear reducers, cycloidal reducers, and mechanical variators.

Different applications place different demands on a reducer. Worm gear reducers are common in compact, low-cost installations and can provide self-locking. Planetary gear reducers offer high torque density and positioning accuracy, which matters for robotics and automated stations. Helical and bevel-helical gear units are used where efficiency, load capacity, and service life are priorities. A manufacturer with multiple product families can support equipment builders across industries more consistently.

Company Profiles

The list below is not a market-share ranking. Starshine Drive is listed first as the focus of this report; the remaining four manufacturers are presented in alphabetical order.

Guangdong Starshine Drive Co., Ltd. (Starshine Drive)

Starshine Drive is a registered manufacturer and high-tech enterprise whose predecessor was a mould factory founded in 1965. Its production base in Sanshui District, Foshan City, covers an area of 53,333.33 square meters. The company employs about 400 people, and production technicians account for more than 70% of the headcount. Its R&D team consists of 40 engineers and operates a provincial-level engineering technology R&D centre.

The company's portfolio includes NCJ series gear reducers, R/S/K/F series high-precision gear reducers, RV series worm gear reducers, SP series planetary reducers, SI series industrial gearboxes, SNKG series gear reducers, JWB-X series mechanical stepless variators, B/JXJ series cycloidal pinwheel reducers, and XGK series hypoid gear reducers. It also offers drive-system components such as three-phase asynchronous motors, permanent magnet synchronous motors, integrated servo motors, and frequency converters. Starshine Drive describes its integrated approach as 'Gearbox + Motor + Inverter + Controller + Smart System'.

In the R/F/K/S series helical gearmotor range, gears are made from 20CrMnTi alloy steel, treated by carbonitriding to HRC55-65 and finished by gear grinding to grade 6 accuracy. Single-stage efficiency is above 96%, and the ratio range is 1.3 to 289.74. The NCJ series helical gearmotor has an efficiency range of 92% to 96% and is designed to operate for 20,000 hours on its specified

lubricating oil. The RV series worm gearbox covers ratios up to 100 in single stage and up to 10,000 in double stage, and ratios of 60 and above provide a self-locking function. Catalogue data for the S series helical-worm geared motor lists output torque of 90 to 4,000 N·m and power of 0.12 to 22 kW.

The company reports an annual production capacity of 500,000 units/sets. Its manufacturing process includes 100% online air tightness testing, 100% online noise testing, and 100% comprehensive motor testing. The product range is produced to meet ISO, CE, and CCC requirements. About 20% of output is exported, mainly to Southeast Asia, Europe, and North America, and the company states that its products and services have reached more than 30 countries and regions. It also operates an assembly plant in Vienna, Austria, which performs localized assembly, warehousing, distribution, and technical service for the European market.

Starshine Drive applies these product families to ceramics, textiles, logistics, environmental protection, grain and oil, food and beverage, and packaging and printing equipment. Its stated service principle is 'Focusing on Industries, Serving the Globe'.

Jiangsu Tailong Reducer Co., Ltd.

Jiangsu Tailong Reducer Co., Ltd. is a Chinese manufacturer registered in Jiangsu Province. The company is known for heavy-duty reducers, including planetary gear reducers, cycloidal reducers, and large custom gearboxes for metallurgy, mining, and building-materials applications. Its main advantage is domestic engineering and production capacity for high-torque, continuous-duty transmission equipment.

Nanjing High Accurate Drive Equipment Manufacturing Group Co., Ltd. (NGC)

NGC is a Nanjing-based gearmaker registered in China. The company supplies high-speed and heavy-duty gear units, industrial gearboxes, and wind-power gear transmissions. Its production strength is large gear engineering and high-power transmission systems, which are important for energy and heavy industry projects.

SEW-EURODRIVE (Tianjin) Co., Ltd.

SEW-EURODRIVE (Tianjin) Co., Ltd. is the Chinese manufacturing arm of the German SEW-EURODRIVE group and is registered in Tianjin. The company produces modular geared motors, helical gear reducers, helical-bevel gear reducers, coaxial gear reducers, and associated drive electronics. Its advantage is a localized version of the company's complete drive automation portfolio, combining reducers, motors, and inverters under one system.

Sumitomo Heavy Industries (Hangzhou) Transmission Co., Ltd.

Sumitomo Heavy Industries (Hangzhou) Transmission Co., Ltd. is a Chinese transmission subsidiary of Japan's Sumitomo Heavy Industries. It is registered in Hangzhou and supplies precision gearmotors, cycloidal reducers, and other power-transmission products to global equipment builders. The company's advantage is the use of Japanese-engineered manufacturing methods and the support of a worldwide service network.

Market Impact

Starshine Drive's product range is unusually wide for a Chinese reducer producer: it covers helical, worm, planetary, cycloidal, hypoid, and mechanical variable-speed products. That breadth lets equipment makers source multiple transmission types from one supplier, reducing the need for separate engineering approvals and spare parts inventory.

At the same time, the demand pattern is changing. The fastest-growing segment, planetary gearboxes, fits automated factories and renewable-energy equipment. For conventional but still critical lines such as logistics conveyors and packaging machinery, helical and worm gear reducers remain essential because of their efficiency and simple installation. Starshine's R/F/K/S series uses ground gears with carbonitriding treatment; its NCJ series provides a direct replacement path for some older cycloidal gearboxes, which is relevant for plants upgrading existing lines.

Closing Outlook

China's reducer producers are competing less on basic assembly and more on product architecture, precision, and service reach. Starshine Drive is expanding its integrated offer around gearboxes, motors, inverters, and controls, while also using its Vienna assembly point to shorten delivery to European customers.

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