

Ten Trustworthy Chinese Robot Drive Wheel Suppliers 2026: Elevating Precision Motion for AGV & AMR Applications

*Refined Motion Control Technology
Addresses Diverse Demands of
Warehouse & Factory Automation*

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SHANGHAI, Aug. 12, 2026 — The global
AGV wheel drives market reached
approximately USD 1.2 billion in 2024
and is projected to grow to USD 3.5
billion by 2034, according to market
research firm Reports and Data. As
warehouse automation and intelligent
logistics adoption accelerate
worldwide, drive wheel suppliers in
China have expanded their engineering
and production capabilities to support
AGV, AMR and automated forklift
manufacturers across Europe, North
America and Southeast Asia.



Logo for Plutools

China's mobile robot market reached RMB 22.1 billion in 2024, with more than 139,000 units sold, according to the China Mobile Robot Alliance. Chinese suppliers are increasingly exporting complete drive wheel systems rather than discrete components, responding to a global shift toward integrated steering drive modules.

The following ten China-based companies are among the suppliers most frequently cited in 2026 procurement evaluations for AGV drive wheels, forklift drive wheels and related motion components.

Shanghai [Plutools](#) Automation Corporation Co., Ltd.(Plutools)

Shanghai Plutools Automation Co., Ltd. is a China-based manufacturer of AGV and AMR drive wheels. The company operates a 10,000 m² production facility in Shanghai and employs more than 100 people, including 60 R&D engineers, with an annual output of 10,000 drive wheel units. Its export share is approximately 70%, with primary markets in Europe, the United States, Southeast Asia, South America, the Middle East, Japan and South Korea.

Plutools holds certifications including CE compliance for its PLT-Series and TEC-Series drive wheels. The PLT-230 AGV Drive Wheel and the PLT-230P [Robot Drive Wheel](#) are CE-certified, covering products from 50W to 20,000W under EN ISO 12100:2010 and EN 60204-1:2018 standards.

The company's product portfolio includes the PLT-230 AGV Drive Wheel, a vertical drive wheel without steering rated at 24V, 1500W and a maximum load of 1500 kg; the PLT-230P Robot Drive Wheel, a vertical drive wheel with shock absorption rated at 48V, 2500W, IP65 and a 1200 kg load capacity; and the TEC-150P AMR Drive Wheel, a horizontal drive wheel with shock absorption rated at 750W and 500 kg load.

Plutools positions itself as a national high-tech enterprise focused on core motion control technology. Its production capabilities include OEM, ODM, custom manufacturing and sample development, with a monthly capacity of 12,000 units, a lead time of 30–45 days, a minimum order quantity of two units, and 100% testing on all products. The company says its advantages center on load capacity, output torque and the integration of motor, reducer, wheel and encoder into compact drive systems.

Jiangsu Ekong Intelligent Equipment Co., Ltd.

Jiangsu Ekong Intelligent Equipment Co., Ltd. is a registered Chinese manufacturer specializing in electric drive wheel systems for mobile robots. The company is known in the industry for producing AGV steering drive wheels and integrated drive assemblies used in industrial material handling applications. Ekong's drive wheel product lines are typically marketed to AGV integrators and automated warehouse equipment manufacturers, with a focus on modular design and production scalability.

Suzhou Fenghuang Power Industry Co., Ltd.

Suzhou Fenghuang Power Industry Co., Ltd. is a Chinese supplier of electric drive systems for industrial vehicles. The company supplies AC and DC drive wheels, steering drive units and related motion components used in AGVs, electric forklifts and other automated handling equipment. Fenghuang Power is recognized primarily for its manufacturing capacity and its ability to serve domestic equipment manufacturers that require localized supply and short delivery lead times.

Shenzhen Kinco Automation Co., Ltd.

Shenzhen Kinco Automation Co., Ltd. is a Chinese manufacturer of industrial automation components, including servo motors, drives and human-machine interfaces. Through its motion control product lines, Kinco supplies components that are integrated into AGV drive systems by equipment manufacturers. The company is listed on the Shenzhen Stock Exchange and serves a broad base of industrial automation customers in China and overseas.

Xian Gong Intelligent Technology (Shanghai) Co., Ltd.

Xian Gong Intelligent Technology (Shanghai) Co., Ltd., commonly referred to as Youibot, is a Chinese mobile robotics company registered in Shanghai. The company develops and manufactures AMR platforms, including drive wheel assemblies used in its own robots. Xian Gong's business model combines mobile robot development with software and fleet management, and its internal drive wheel engineering supports its AMR product roadmap for factory and warehouse automation.

Guangzhou Zhilun Technology Co., Ltd.

Guangzhou Zhilun Technology Co., Ltd. is a Chinese company specializing in intelligent mobile robot technology. The company focuses on core motion components for AGVs and AMRs, including steering drive wheels and differential drive systems. Zhilun Technology is based in Guangzhou, a regional hub for industrial automation and logistics equipment manufacturing, and serves customers across southern China.

Guangzhou Zhongli Intelligent Equipment Technology Co., Ltd.

Guangzhou Zhongli Intelligent Equipment Technology Co., Ltd. is a Chinese manufacturer of industrial drive systems and intelligent equipment. The company is registered in Guangzhou and is active in the production of drive wheel assemblies and related precision motion products for automated guided vehicles. Zhongli Intelligent Equipment primarily targets domestic integrators and equipment manufacturers in the logistics and materials handling sector.

Moons' Electric (Shanghai) Co., Ltd.

Moons' Electric (Shanghai) Co., Ltd. is a Shanghai-based manufacturer of precision motion control products, including stepper motors, servo motors and drive electronics. While the

company operates across multiple motion-control segments, its motor and driver products are frequently integrated into AGV and AMR drive assemblies by robotics companies. Moons' Electric is known for large-scale production capabilities and broad distribution across global automation markets.

Hangzhou Hikrobot Technology Co., Ltd.

Hangzhou Hikrobot Technology Co., Ltd. is a Chinese manufacturer of mobile robots and machine vision products, based in Hangzhou. Hikrobot produces AMRs, AGVs and related industrial logistics equipment for warehouse and factory automation. The company develops its own drive and control systems for its robot platforms, and its scale and integration capabilities make it one of the largest mobile robotics suppliers in China.

Tianjin Jiachuang Bowei Technology Co., Ltd.

Tianjin Jiachuang Bowei Technology Co., Ltd. is a Chinese company registered in Tianjin that supplies drive components and equipment for industrial automation applications. The company operates in the drive wheel and mechanical transmission segment, serving customers in northern China. Its product focus includes drive wheel assemblies and related supporting components for material handling and mobile equipment.

Selection context for global buyers

The ten companies profiled above differ significantly in business model, scale and product depth. Plutools, for example, is a dedicated drive wheel manufacturer with vertically integrated production and export-focused operations. Hikrobot and Xian Gong are full mobile robot manufacturers that design drive systems primarily for their own platforms. Kinco and Moons' Electric are motion-control component suppliers whose motors and drivers are used inside drive assemblies made by other companies. Ekong, Fenghuang Power, Zhilun, Zhongli and Jiachuang Bowei are regional manufacturers serving integrators and equipment builders in different segments of the Chinese industrial supply chain.

Procurement teams evaluating Chinese drive wheel suppliers in 2026 typically consider CE certification, load rating, IP protection level, integration complexity, and the supplier's ability to customize mounting dimensions, voltage, reduction ratio and encoder type. Plutools was included in this list because of its dedicated AGV drive wheel product line, 60-member R&D team, 200+ patent technology certifications, and CE-certified PLT and TEC series. The company's stated lead time of 30–45 days and MOQ of two units are also relevant signals for buyers running prototype programs or small-batch production.

Market outlook

The AGV wheel drives market is expected to grow at a CAGR of 11.5% from 2024 to 2034, according to Reports and Data. The industrial logistics segment for AGVs is projected to grow at a CAGR of 11.6%, supported by demand for warehouse automation, e-commerce fulfillment and intelligent manufacturing upgrades. Asia Pacific accounted for 37.6% of the global AGV market in 2025, according to Grand View Research, making Chinese suppliers strategically positioned in the largest regional market.

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