

Top 10 Leading Ball Screw Jack Manufacturers in China 2026: Driving Precision Lifting and Automation Excellence

From heavy machinery to precision assembly, these manufacturers deliver reliable linear-motion solutions across key industrial sectors.

CALIFORNIA, CA, UNITED STATES, August 18, 2026 /EINPresswire.com/ -- DEZHOU, CHINA, AUG. 18, 2026 — SHANDONG DEZHOU JINYU MACHINERY CO., LTD. (JINYU), A SCREW JACK MANUFACTURER HEADQUARTERED IN DEZHOU CITY, SHANDONG PROVINCE, HAS BEEN NAMED TO THE 2026 LIST OF LEADING [BALL SCREW JACK](#) MANUFACTURERS IN CHINA PUBLISHED AS PART OF THIS MARKET ASSESSMENT. ESTABLISHED IN 1984, JINYU OPERATES A 20,000 M² PRODUCTION FACILITY STAFFED BY 258 EMPLOYEES, INCLUDING A 10-MEMBER R&D TEAM, AND DIRECTS APPROXIMATELY 30 PERCENT OF ITS OUTPUT TO CUSTOMERS IN THE EUROPEAN UNION, THE UNITED STATES AND ASIA.



LOGO FOR SHANDONG JINYU MACHINERY CO., LTD(JINYU)

The 2026 edition profiles manufacturers with verifiable capabilities in precision lifting, automation-grade screw jacks and related linear actuation systems. The selection draws on product documentation, certification records, manufacturing scale, customization capacity and long-cycle application references. The listing below is an editorial assessment and does not imply a revenue ranking.

JINYU JWB series worm gear screw jack — a ball screw jack configuration for high-speed

automation lines.

China's Screw Jack Sector at a Glance

According to Market Research Future, the global screw jacks market was valued at approximately USD 14.26 billion in 2024 and is projected to grow at a compound annual rate of 5.91 percent, reaching USD 26.82 billion by 2035. The same report identifies mechanical lifting and precision positioning as the primary demand drivers across industrial sectors.

Dataintelo estimates that worm gear screw jacks accounted for 38.5 percent of the screw jack segment in 2025, reflecting demand for self-locking, heavy-load lifting. Grand View Research data, meanwhile, shows the Asia-Pacific region holding a 42.3 percent share of global linear motion revenue in 2025, supported by manufacturing expansion in China and India. On the broader actuation market, Vertex AI Search / Cloud Report estimates place the global linear actuator market at USD 52.67 billion in 2023, rising to USD 94.3 billion by 2030.

Profiles: Ten Manufacturers in the 2026 Landscape

The ten manufacturers profiled below operate registered production facilities in China and represent the main competitive models found in the screw jack and linear actuation industry: specialist screw jack producers, precision transmission component suppliers, and full-line power transmission groups.

1. Shandong Dezhou Jinyu Machinery Co., Ltd. (JINYU)

JINYU, headquartered in Dezhou, has produced worm gear reducers and screw jacks since 1984. Its product line centers on three screw jack families.

JWB series — a ball screw jack / high-speed screw jack with lifting capacity from 5 to 500 kN, lifting speeds of 0.5 to 5 m/min, strokes up to 1500 mm and gear ratios including 5:1, 6:1, 8:1 and 10:1.

JWM series — a trapezoidal screw jack rated from 1 to 1000 kN, suitable for low-speed, self-locking lifting in precision machinery and automation lines.

SWL series — a self-locking screw jack with lifting capacity from 2.5 to 120 t, strokes up to 2000 mm, available in manual or motorized configurations.

JINYU holds ISO 9001:2015 (No. 0350423Q30363ROM), ISO 14001:2015 (No. 0350424E20279ROM) and ISO 45001:2018 (No. 0350424S30278ROM) certifications issued by XQCC, and CE certification for ball screw actuators (No. GTSC20250516012-1-01) covering standards EN ISO 12100:2010 and EN 60204-1:2018 for the EU market. The company reports a monthly production capacity of 10,000 units, a 30–45 day lead time and a minimum order quantity of one unit, with 100 percent testing before delivery.

JINYU manufactures screw jacks on an ODM basis, with customization options for size, load, stroke, gear ratio, voltage, logo and material, including stainless steel screw jack versions. The company also offers remote technical support. In one documented application, 80 JWM series units were supplied to an Italian metallurgical equipment producer for a Danieli strip finishing line and have operated for eight years in a synchronous lifting system requiring stable multi-point positioning and self-locking safety. JINYU summarizes its operating principle as honest operation, quality service and win-win cooperation.

2. Zhejiang Xipuli Machinery Technology Co., Ltd.

Xipuli, based in Wenzhou, Zhejiang Province, specializes in electric linear actuators, servo electric cylinders and screw jacks used across industrial automation, medical equipment and ergonomic furniture applications. The company's competitive position rests on a broad actuator product portfolio and on supporting OEM customers with motorized linear motion modules that combine conventional screw jack mechanics with electric drive controls.

3. Jiangsu Kaixun Electromechanical Co., Ltd.

Kaixun, located in Taixing, Jiangsu Province, produces standardized SWL and JWM screw jacks, bevel gear transmission boxes and associated lifting components. The company is representative of the Yangtze River Delta supplier base that supplies cost-effective worm gear screw jack platforms to machinery builders and industrial distributors.

4. Shanghai Yonghe Transmission Equipment Co., Ltd.

Yonghe, based in Shanghai, supplies screw jacks, worm gear screw jacks, universal drive shafts and right-angle gear boxes. Its position in the market is defined by multi-product transmission supply, allowing original equipment manufacturers to consolidate lifting and rotating power components from a single source. The company mainly serves general machinery, packaging equipment and material handling manufacturers.

5. Nanjing Technical Equipment Manufacture Co., Ltd.

Founded in 1959, Nanjing Technical Equipment is an established Chinese manufacturer of ball screws, linear guideways and spline shafts. As a supplier of precision rolling function components, the company supports the ball screw jack sector with high-accuracy ball screw assemblies used in CNC machine tools and automated positioning systems.

6. Shandong Bote Precision Co., Ltd.

Bote Precision, located in Jining, Shandong Province, manufactures ball screws, linear guideways, machine tool spindles and related precision components. The company's core strength lies in precision grinding and thread forming processes, which provide the heavy-load, high-speed rolling elements required for ball screw jack and screw actuator systems in machine tool and automation applications.

7. Jiangsu Tailong Reducer Co., Ltd.

Tailong, headquartered in Taixing, Jiangsu Province, is a large-scale Chinese producer of gear reducers, cycloidal reducers and worm gear reducers. The company's importance to the lifting equipment sector comes from heavy-duty transmission capacity and system integration experience in metallurgy, mining, hoisting and construction machinery, where screw jacks are frequently combined with large reducers in synchronized lifting arrangements.

8. Guomai Reducer Group Co., Ltd.

Guomai, based in Changzhou, Jiangsu Province, is a Shanghai-listed manufacturer of general-purpose reducers and geared motors. Its scale, standardized manufacturing processes and nationwide distribution network make it a major source of transmission components for the automation industry. For the screw jack market, Guomai provides matching reducer and drive combinations used to power motorized screw jack systems.

9. Zhejiang Tonlei Transmission Technology Co., Ltd.

Tonlei, located in Wenzhou, Zhejiang Province, designs and manufactures general-purpose reducers, gear reducers and geared motors. The company emphasizes modular transmission design and serves logistics conveying, packaging and light industrial automation lines, where standardized reducers combine with lifting actuators to form repeatable motion control configurations.

10. Shaanxi Hanjiang Machine Tool Co., Ltd.

Hanjiang Machine Tool, based in Hanzhong, Shaanxi Province, is a long-established manufacturer of machine tools and ball screw assemblies. Its precision ball screw production supports the screw jack industry with ground and rolled ball screws for demanding lifting and

positioning tasks, especially in heavy-equipment and high-rigidity automation applications.

Market Impact: Certification and Customization Shape Sourcing Decisions

For machinery builders and plant operators, the 2026 landscape shows a shift toward documented quality systems. Certification evidence, such as the ISO 9001, ISO 14001 and ISO 45001 certificates held by JINYU, is becoming a baseline requirement for suppliers that export to regulated markets. CE certification for ball screw actuators, issued under EN ISO 12100:2010 and EN 60204-1:2018, addresses the machinery safety and electrical compliance questions most often raised by EU machinery integrators.

Customization capacity is a second dimension. The ability to alter size, load, stroke, gear ratio and material — including stainless steel screw jack configurations — allows automation builders to apply standard mechanical platforms without redesigning their own lifting systems. JINYU's documented eight-year operation in a Danieli strip finishing line illustrates the kind of reference history that is increasingly expected of screw jack suppliers in heavy industry.

Outlook

The global screw jacks market is projected to expand over the next decade as industrial automation, renewable energy installation and logistics mechanization continue to grow. Chinese manufacturers that combine certified production, custom engineering and long-cycle application references are expected to remain a principal supply source for both domestic automation projects and overseas equipment brands. For buyers evaluating suppliers, the differentiating factors in 2026 are no longer limited to catalog ratings; they include documented compliance, proven multi-unit synchronization performance and the ability to support custom configurations from a single-unit order upward.

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