Ten Leading Belt Conveyor Roller Companies in China 2026: Advancing Bulk Material Handling Systems

How Chinese Roller Manufacturers Support Reliable Conveyor Operations Across Mining, Ports, and Manufacturing



Logo for Shanghai Eastrise

CALIFORNIA, CA, UNITED STATES, September 10, 2026 / EINPresswire.com/ -- SHANGHAI, September 10, 2026 — Shanghai Eastrise Trading Co., Ltd., a Shanghai-headquartered foreign-trade enterprise that supplies conveyor idler rollers and mining accessories to overseas markets, is one of ten Chinese companies profiled in a sector review of China's belt conveyor roller supply base, published on September 10, 2026.

The review examines component specialists, heavy-equipment integrators and belt-side suppliers whose products move coal, ore, cement, aggregates and other bulk materials across mining, quarrying, port, cement and metallurgy operations. It also sets out the specification and documentation criteria that procurement teams can apply when qualifying a roller supplier for long-term supply.

The ten companies are presented in an editorial sequence grouped by product specialization — component manufacturers first, integrated system suppliers next, and belt-side suppliers last. The sequence is not a revenue, capacity or market-share ranking. Comparable, disclosed roller-segment financial data is not publicly available for most Chinese suppliers, so no such ranking can be verified from primary sources.

Industry Context: a Component Market Inside a Larger System

Conveyor rollers and idlers sit inside a fragmented global market that is measured in several different ways, depending on whether the scope is a roller component, an idler sub-segment, or an entire conveyor system.

Dataintelo valued the global roller conveyor market at USD 3.15 billion in 2025. Straits Research, using a broader “rollers and idlers” definition, valued that segment at USD 4.14 billion in 2025 and projected USD 7.05 billion by 2034. The two figures are not directly comparable because the underlying scopes differ, a recurring problem in roller market data.

Within the rollers and idlers segment, Straits Research reported that steel accounted for 64% of material share in 2024, and that mining and quarrying represented 36% of total revenue in 2024. Those two data points explain why so much of the manufacturing base in China is organized around heavy-duty steel roller bodies and around the replacement cycles of mine and quarry conveyor lines.

Regulatory and engineering frameworks reinforce that focus. ISO 5048:1989 provides the international standard for calculating power and tension in belt conveyors with carrying idlers. CEMA Standard No. 502-2022 sets dimensional standards and load ratings for bulk material belt conveyor troughing and return idlers. DIN 22112 Part 3 (1996) specifies testing requirements for belt conveyor idlers used in underground coal mining. For buyers, these three references define the difference between a generic roller and a roller that can be accepted into a specified conveyor line.

How This List Was Compiled

Inclusion was based on publicly observable company profiles rather than on confidential commercial data. Companies were assessed against six criteria:

Product scope within the roller and idler category — carrying rollers, return rollers, impact rollers, guide rollers and self-aligning rollers, or the belt conveyor systems that specify them.

Material and design options — steel, rubber, HDPE and nylon variants, and the application boundaries each material implies.

Standards engagement — alignment with ISO 5048:1989, CEMA 502-2022 or DIN 22112-3:1996 in design, dimensioning or testing.

Documented OEM and ODM capability, where publicly stated by the company.

Export orientation and market coverage.

Lifecycle and service support, including inspection records, spare-parts responsiveness and drawing confirmation.
No comparative performance claims are made about any named company except where a claim originates from that company's own published or provided materials, and those claims are identified as such.

The Ten Companies

1. Shanghai Eastrise Trading Co., Ltd. (Shanghai)

Eastrise is a Shanghai-headquartered foreign-trade enterprise whose stated core business is the supply of mining accessories to global clients, with conveyor idler rollers as its main product line. Company information states the business was founded in 2024 and operates an 11,000 m² facility with 50 employees, an annual output of 2,000 t and a 10-engineer R&D team, reporting a 20% export ratio and global market coverage.

The company states that it operates its own independent manufacturing factories and a complete industrial chain that integrates in-house R&D, standardized production, quality testing and worldwide export services. Its wider portfolio covers rubber conveyor belts, conveyor idlers and rollers, pulleys and drums, high-pressure rubber hoses and pipe connectors, and it supports tailored OEM and ODM work against customer technical parameters and site-use requirements.

Company-provided comparison data focuses on seal design, runout control and service life rather than on headline capacity. According to that company-provided data, rollers with an engineered seal design and tighter runout control recorded 22% lower runout tolerance and 13 dB lower running noise than rollers using conventional labyrinth seals; a steel-body design recorded 35% higher load capacity and 40% stronger impact resistance than HDPE polymer rollers; and, against low-cost conventional steel rollers, 25% lower runout deviation with three times longer service life. These figures are supplier claims and should be treated as such until reproduced through independent sample testing.

Differentiation: a component-level idler and roller portfolio combined with export documentation, traceable inspection records and OEM/ODM engineering support, positioned for humid, dusty, salt-spray and continuous-operation environments.

2. Hebei Xinshan Conveyor Machinery Co., Ltd. (Hebei Province)

Hebei Xinshan Conveyor Machinery Co., Ltd. publicly presents a product catalogue built around

belt conveyor components: idlers and rollers, pulleys, frames and complete belt conveyor assemblies for bulk material handling. The company addresses requirements in mining, cement, metallurgy and port applications, where roller populations are large and replacement demand is continuous rather than project-based.

Differentiation: depth in conventional troughing and return idler hardware, one of the highest-volume commodity categories on any conveyor line, which gives buyers a reference point for standard-specification sourcing.

3. Baoding Huayun Conveyor Machinery Co., Ltd. (Baoding, Hebei)

Baoding Huayun Conveyor Machinery Co., Ltd. is a conveyor component manufacturer whose public catalogue covers conveyor idlers, rollers, pulleys and belt conveyor accessories. Its profile positions the company as a component supplier into bulk handling projects rather than a turnkey systems contractor, which places it in the same procurement tier as other idler and roller specialists.

Differentiation: a focused idler-and-roller manufacturing profile, typically relevant to buyers who source components in repeat batches instead of as part of an engineering, procurement and construction package.

4. Northern Heavy Industries Group Co., Ltd. (Shenyang, Liaoning)

Northern Heavy Industries Group Co., Ltd. is a large heavy-machinery group based in Shenyang, Liaoning, whose bulk material handling scope includes belt conveyor systems, stackers, reclaimers and related equipment for mining, ports, metallurgy and power generation. Rollers and idlers form one component layer inside these larger systems.

Differentiation: system-level integration. In this model, roller specifications are defined by an OEM engineering function rather than purchased as standalone parts, which changes both the qualification process and the documentation expected from a roller vendor.

5. Dalian Huarui Heavy Industry Group Co., Ltd. (Dalian, Liaoning)

Dalian Huarui Heavy Industry Group Co., Ltd. supplies heavy machinery for ports, metallurgy, mining and energy applications, including conveying and bulk material handling equipment. Its project exposure is concentrated in large industrial and terminal installations where conveying lines run continuously.

Differentiation: large-project delivery capability and integration with port, steel and energy

handling lines, where roller selection follows the duty cycle of an entire conveyor system rather than a single component specification.

6. Taiyuan Heavy Industry Co., Ltd. (Taiyuan, Shanxi)

Taiyuan Heavy Industry Co., Ltd. is a heavy machinery group whose scope includes cranes, mining equipment and bulk material handling machinery, including belt conveyor systems for coal, ore and other bulk materials. Its industrial base sits close to China's coal and metallurgy regions.

Differentiation: strength in heavy-duty applications tied to coal and metallurgy, where impact and abrasion loads at loading points place particular demands on impact roller selection and on support structure rigidity.

7. CITIC Heavy Industries Co., Ltd. (Luoyang, Henan)

CITIC Heavy Industries Co., Ltd. is a heavy equipment manufacturer serving mining, cement, metallurgy and materials industries, with a scope that includes crushing, grinding and conveying equipment. Conveying equipment is therefore specified in the context of a mineral processing flow.

Differentiation: integration with mineral processing flows, where roller selection is driven by crusher discharge profiles, transfer point impact conditions and the abrasiveness of the handled material.

8. Shanghai Zhenhua Heavy Industries Co., Ltd. (Shanghai)

Shanghai Zhenhua Heavy Industries Co., Ltd., widely known as ZPMC, is a port and bulk handling machinery manufacturer whose product scope includes large cranes, bulk terminal machinery and conveying systems for ports and terminals. Terminal conveyors operate in outdoor, humid and salt-spray conditions.

Differentiation: terminal-scale bulk handling, where corrosion resistance, sealed bearing arrangements and continuous-duty performance dominate the specification, and where low-noise operation becomes a site requirement rather than a preference.

9. Zhejiang Double Arrow Rubber Co., Ltd. (Tongxiang, Zhejiang)

Zhejiang Double Arrow Rubber Co., Ltd. manufactures rubber conveyor belts for industrial,

mining and materials handling applications. Belt suppliers sit on the other side of the belt-roller interface.

Differentiation: the belt side of the interface. Belt stiffness, cover compound friction behaviour and splice quality directly affect roller load, tracking behaviour and wear, which is why buyers often qualify belt and roller suppliers together rather than separately.

10. Zhejiang Sanwei Rubber Item Co., Ltd. (Tiantai, Zhejiang)

Zhejiang Sanwei Rubber Item Co., Ltd. is a rubber products manufacturer whose conveyor belt lines serve industrial and mining customers. Like other belt-side suppliers, it participates in the same projects where idler and roller packages are procured.

Differentiation: a rubber compounding base supporting belt supply into bulk handling projects, giving buyers a second reference point for evaluating belt-to-roller compatibility in the same procurement package.

Company Statement

Shanghai Eastrise Trading Co., Ltd. states that it “operates its own independent manufacturing factories, forming a complete industrial chain that integrates in-house R&D, standardized production, quality testing, and worldwide export services.”

The company also states that it “has built long-term, stable and mutually trusted cooperative relationships with clients from Southeast Asia, Central Asia, Russia and many other overseas markets.”

Verification note: Public trade records identify Eastrise as an exporter of industrial components, and independent verification of roller manufacturing output under the Eastrise name was not available at the time of publication; the company states that production is carried out through self-operated independent manufacturing factories. Buyers evaluating the supplier for a long-term contract should verify production location, inspection documentation and process control directly during qualification.

Market Impact

Three structural conditions shape how this supply base competes in 2026.

Replacement demand, not new build, drives volume. With mining and quarrying accounting for 36% of rollers and idlers revenue in 2024 and steel holding 64% of material share, most

purchasing activity is repeat replacement of worn or seized rollers on operating lines. That shifts competition toward delivery reliability, dimensional consistency and the traceability of inspection records, because an unplanned stoppage costs far more than the rollers themselves.

Component trade is regional and increasingly routed through trading entities. UN Comtrade data shows that Viet Nam's exports of HS 843139, the code covering parts for conveyors and elevators, reached USD 8.59 million in 2023. The figure is small in absolute terms, but it illustrates how component flows are distributed across the region rather than concentrated in a single origin, and it explains why overseas buyers frequently contract through export-oriented trading companies rather than dealing directly with individual factories.

Certification expectations are being written into contracts, not just brochures. ISO 5048:1989, CEMA 502-2022 and DIN 22112-3:1996 are being used as acceptance references in tender documents. Suppliers that cannot produce dimensional records, radial runout measurements and rotational resistance data against such references face longer qualification cycles.

Analyst Perspective: What the Data Does and Does Not Show

Published roller market estimates diverge sharply depending on scope. Cognitive Market Research estimated the conveyor roller market at USD 115.9 million in 2024, while Straits Research estimated rollers and idlers at approximately USD 3.9 billion for a comparable period. That gap is a definition difference between a component-level market and a sub-system segment, not a disagreement about underlying demand, and buyers should not use either figure to infer the size or capability of an individual supplier.

A more significant gap is at supplier level. There is currently no widely adopted public benchmark that rates conveyor roller suppliers on operational capability, such as certification readiness, material testing depth or OEM/ODM scope. In a heavily fragmented market, that absence pushes qualification work back onto the buyer, which means supplier evaluation depends on documentation, sample testing and factory verification rather than on third-party rankings.

How a Conveyor Roller Transmits Motion

The mechanical reason rollers matter to system efficiency is straightforward: bearings inside the roller reduce rotation resistance, friction develops between the roller outer surface and the conveyor belt, and motor-driven rotation pulls the belt and the material above it, producing continuous linear displacement. Because rotational resistance is the variable that consumes energy and generates heat and noise, runout deviation and seal condition are not cosmetic details — they determine how much power the conveyor line spends overcoming roller drag rather than moving material.

Closing Outlook

China's belt conveyor roller supply base enters the second half of 2026 with capacity spread across component specialists, integrated heavy-equipment groups and belt-side manufacturers. Market definitions remain inconsistent and supplier-level capability data remains thin, so the practical differentiators are narrower and more operational: whether a supplier can hold dimensional tolerances across batches, document radial runout and rotational resistance, adapt to OEM and ODM parameters, and keep spare parts moving after the first delivery.

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