



Neorigin Silo

SILO GROUP 鑫 泽 源 钢 板 仓

CORE VALUES

Professional & Reliable • Innovative Design

Lean Manufacturing • End-to-End Service



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PROVIDE CUSTOMERS WITH
HIGH-QUALITY SERVICE



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HEADQUARTERS & PRODUCTION BASE

Northwest corner of the intersection of Pingyuan Road and NO.3 Road, Equipment Demonstration Park, High-tech Zone, Anyang, Henan, China.



PROFESSIONAL & RELIABLE • INNOVATIVE DESIGN
LEAN MANUFACTURING • END-TO-END SERVICE

2018
ESTABLISHED

3 YEARS
INTERNATIONAL
TRADE EXPERIENCE

1,200 SETS OF STEEL SILOS
ANNUAL PRODUCTION
CAPACITY



Neorigin Silo

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COMPANY OVERVIEW

ANYANG NEORIGIN SILO

Your Trusted EPC Partner for Bulk Material Storage

Core Expertise

We specialize in the **Engineering, Procurement, and Construction (EPC)** of bulk material storage and handling systems, with a dedicated focus on **spiral steel silos** and supporting auxiliary equipment.

Industries We Serve

Our solutions are proven across key sectors:

- **Carbon Production:** Petroleum Coke Storage
- **New Energy:** Lithium Battery Anode Materials
- **Food Security:** Grain & Oil Storage
- **Building Materials:** Cement Grinding & Fly Ash (Power Plants)
- **Metallurgy & Mining:** Ferroalloys & Mining Aggregates
- **Infrastructure:** Water Treatment

Integrated Solutions

We provide complete, high-end system solutions encompassing:

- Lifting • Conveying • Automatic Bulk Loading
Packaging • Dust Collection • Weighing

COMPANY OVERVIEW

1. Substantial Entity with Full Qualifications

Established for 8 years, our factory holds 7 professional qualifications (including 2 Grade-II General Contracting licenses) in steel structure engineering, environmental protection engineering, and construction engineering. We offer integrated one-stop services from design to construction.

2. Technology Leadership & Innovation

Full-industry-chain EPC capability. We house the industry's unique silo design research institute, utilizing PKPM, 3D3S 3D modeling, and SolidWorks for 3D design and drafting. With multiple technical patents, we provide complete solutions covering storage, conveying, weighing, intelligent loading, automation control, and environmental protection.

3. Strong Capability & Advanced Equipment

A 3,500m² modern, green processing base and digital factory equipped with over 50 sets of high-precision machinery like laser cutters and CNC rolling machines (processing accuracy $\pm 0.5\text{mm}$). We employ modular prefabrication, shortening project timelines by 30%.



EXCELLENCE IN MANUFACTURING & QUALITY

1. We own large-scale modern workshops and professional production lines with high-precision CNC cutting, automatic rolling, and welding equipment.

2. We use premium galvanized/stainless steel from renowned domestic mills, offering excellent corrosion resistance and long service life.

3. We strictly implement the ISO 9001 quality management system, conducting full-process inspection on key procedures to ensure every steel



4. Industry Reputation

We have constructed over 2,000 silos across 30 Chinese provinces and regions like Southeast Asia and Africa. Our clientele includes Fortune 500 companies (e.g., PowerChina, Wilmar, Huaxin Cement), listed companies (e.g., Suotong Development, Zhongke Electric), and industry leaders in sectors like carbon, investment, transportation, and rail.



5. Extensive Business Coverage

We serve bulk and liquid material storage needs across industries including alumina, carbon, battery anode materials, grain & oil, building materials, metallurgy, chemicals, environmental protection, and energy. We are a comprehensive service provider with some of the

most complete qualifications and leading technology in China's domestic industry.



6. Quality Assurance & Service

International certifications: CE, ISO Integrated Management Systems. Standardized construction throughout. We provide one-on-one consultant tracking, 24/7 after-sales service, ensuring high customer satisfaction and rapid response. Demonstrated capability: produced two 2,000-ton silos for East China Engineering within 5 days.



COMPREHENSIVE PROJECT MANAGEMENT & SERVICE

1. **ONE-STOP SOLUTIONS:** We provide end-to-end services from site survey, design, manufacturing, anti-corrosion treatment, packing/shipping, to on-site installation guidance, commissioning, and training.

2. **PROFESSIONAL INTERNATIONAL TRADE & PROJECT TEAM:** Proficient in international trade processes, supported by fluent English-speaking project managers to ensure smooth execution.

3. **FLEXIBLE COOPERATION MODELS:** We undertake full turnkey projects or supply products under various trade terms like FOB, CIF, CFR.

SHOWCASE OF SUCCESSFUL PROJECTS

Case 1: Large-Scale Port Grain Transit Silos Project in Southeast Asia

- **LOCATION:** Ho Chi Minh Port, Vietnam
- **SCOPE:** Supply and installation of 12 galvanized steel grain silos (15m diameter, 25m height), total capacity exceeding 50,000 m.
- **TECHNICAL HIGHLIGHTS:** Patented "High-Efficiency Discharge System" solved bridging issues for paddy rice in high-humidity environments, increasing discharge efficiency by 30%. Integrated intelligent ventilation and temperature control system ensured grain quality.
- **CLIENT VALUE:** Enhanced the client's port grain transit and strategic reserve capacity. Delivered on time with stable operation, receiving high praise.



Case 2: Raw Material Storage Expansion Project for a Cement Plant in the Middle East

- **LOCATION:** SAUDI ARABIA: Saudi Arabia
- **SCOPE:** Design and construction of 4 large steel silos for cement raw materials (mineral powder, fly ash), single capacity 10,000 tons.
- **TECHNICAL HIGHLIGHTS:** Structure reinforced for local high-temperature, sandy wind conditions. Enhanced silo sealing. Equipped with high-efficiency dust collection meeting environmental standards.
- **CLIENT VALUE:** Helped the client successfully expand production capacity, stabilized supply for the production line. Enclosed design reduced material loss and environmental pollution.



Case 3: National Grain Strategic Reserve Project in Africa

- **LOCATION:** Kenya
- **SCOPE:** Turnkey construction of a regional grain reserve center comprising 20 silos (total capacity 100,000 tons), including receiving, cleaning, conveying, weighing, and control systems.
- **TECHNICAL HIGHLIGHTS:** Full turnkey project. The solution was adapted to local African infrastructure, enabling quick installation and easy operation/maintenance. Used high-strength anti-corrosion coating suitable for coastal climate.
- **CLIENT VALUE:** Established a critical regional food security system. The project, from design to delivery, was completed in just 8 months, demonstrating our strong international project execution capability.

Case 4: Waco Cement Plant, Angola

- **LOCATION:** Angola
- **SCOPE:**
 - Raw Material Section:** Limestone, clay, sandstone homogenizing silos.
 - Production Section:** Raw meal homogenizing silos, coal powder silos, cement blending silos.
 - Finished Product Section:** Cement storage silos and dispatch system.
- **TECHNICAL HIGHLIGHTS:**
 - Spiral Seam Technology:** Ensured extreme airtightness ($\leq 0.8\text{Pa}$) in high-temperature, high-humidity environments.
 - Modular Hoisting Solution:** Reduced on-site welding by 70%, significantly improving construction efficiency.
 - BIM Full-process Collaboration:** Enabled seamless integration of European design standards with Chinese construction expertise.
- **CLIENT VALUE:** Addressed local infrastructure gaps, enabling annual production of 1 million tons of cement, reducing construction material costs by ~30%, creating 200+ jobs, and fostering local technical skills.

MAIN PRODUCT SERIES



SPIRAL STEEL SILO



BOLT ASSEMBLY SILO



ALUMINA STEEL SILOS

· **SPIRAL STEEL SILO:** Diameter: 3 - 60 m. Capacity: 50 - 50,000 T. Wide Range of Applications. Short Construction Time, Low Cost

· **BOLT ASSEMBLY SILO:** Bolt assembly plate silo (also known as tile silo or bolt-connected silo) is a storage equipment that uses modular steel plate components assembled on-site with high-strength bolts. Its core features are flexible assembly and disassembly, rapid construction, and strong adaptability. It is widely used in bulk material storage in grain, feed, building materials, chemical and other industries.

· **ALUMINA STEEL SILOS:** Silo Capacity: Customized. Standard Capacity: 500 - 50000 m³. Single Compartment Diameter: 3 - 30 m. height: 4 - 30 m



· **GALVANISED STEEL STORAGE TANK:** Galvanized steel water tanks have the characteristics of no welding, corrosion resistance, fast construction and long life, and can replace traditional water storage facilities.



· **STAINLESS STEEL STORAGE TANK:** Product Advantages. Zero Maintenance: Requires no anti-corrosion treatment throughout its lifecycle. Ready-to-use: No need to wait for passivation after completion. Value inheritance: The residual value rate after scrapping is 40% (scrap steel recycling)



· **COMPOSITE ELEVATED STORAGE TANK:** Stainless steel composite plate storage tank, the tank body is made of a plate made of two layers of different metals through a specific process, usually stainless steel as the cladding (surface layer), carbon steel or other metals as the base (substrate). This structure not only retains the corrosion resistance and beauty of stainless steel, but also has the strength and cost advantages of the base material, and is widely used in the water tank industry.



· **CARBON STEEL STORAGE TANK:** Best application scenarios. Municipal water supply projects with budget constraints. Industrial circulating water with controlled corrosion environment. Temporary emergency water storage facilities

· **BULK PROCESSING EQUIPMENT:** Typical models: F series (such as F-100, F-200). Applicable materials: cement, fly ash, mineral powder, lime powder and other fine powders (particle size ≤ 0.5mm)

· **SILO PUMP:** Steel silos are responsible for large-scale storage of materials. They have the characteristics of sealing, moisture-proof, and pollution-proof. They can store powdered materials such as cement and fly ash. The silo pump is installed at the bottom or side of the steel silo. When materials need to be transported, the compressed air is used to transport the materials in the steel silo to the target location, such as a mixing station, production line, etc.



· **AIR CHUTE:** The air chute is a device that uses air power to transport materials. It is mainly used for horizontal or inclined transportation of powdered and granular materials. Its core structure is a sealed cavity composed of two upper and lower troughs, with a breathable layer in the middle.



· **INFLATION EQUIPMENT:** Product Overview. Applicable to anti-blocking discharge of cement, fly ash, mineral powder and other powder storage silos

· **VALVES FOR THE BUILDING MATERIALS INDUSTRY:** Valves for the building materials industry (cement, glass, ceramics, aggregates, etc.) need to adapt to harsh working conditions such as high temperature, high wear, and high dust. The following are the mainstream valve types and their technical features.



· **MINING BELT CONVEYOR:** The mining belt conveyor is one of the core pieces of equipment in a mining material transportation system, primarily used for the continuous and efficient transportation of materials such as ore and slag. This machinery plays an important role in mining, processing, and storage operations.



· **TON BAG PACKAGING MACHINE:** The steel silo is responsible for large-scale storage of materials, and the outflow of materials is controlled by the discharge device at the bottom. The ton bagging machine is installed under or on the side of the steel silo to receive the materials flowing out of the steel silo and complete operations such as weighing, bagging, and sealing.



· **SILO DUST COLLECTOR:** Dust generation. Kiln head/kiln tail flue gas. Coal grinding system. Cement Packaging. Mineral powder storage



· **SILO BUCKET ELEVATOR:** The building materials industry elevator is a vertical conveying device primarily used to lift bulk materials such as sand, gravel, cement, fly ash, and ore from lower to higher elevations, enabling vertical material transportation. Its core principle involves using traction components to drive buckets or containers, which perform continuous lifting movements within a closed or semi-closed housing. It is suitable for applications such as raw material conveying and finished product storage in building materials production lines.

WHY CHOOSE NEORIGIN?

We are more than just an equipment supplier, we are your reliable partner for bulk material storage solutions.

We deeply understand the unique challenges faced by clients across different industries and regions.

With competitive cost, consistent quality, professional international project management, and attentive after-sales service, we ensure your investment delivers exceptional value.



We Invite Your Partnership to Create a Better Future!



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