

HEAVY INDUSTRIAL HYDRAULICS & PLANT AUTOMATION

Engineered System for Mining, Port, Heavy
Metallurgy and Bulk material Handling



Global Reach. Manufacturing Legacy.

Huashengxue Ltd (HSX) is the dedicated international export division for our established manufacturing network. While HSX serves as our global front, our foundation is built on over 30 years of domestic engineering and heavy production expertise.

We bridge the gap between our specialized manufacturing facilities across China and global heavy industries. Whether you need custom electro-hydraulic cylinders for heavy metallurgy, rugged actuators for mining operations, or durable valves for bulk material handling, you are dealing directly with the source.

The HSX Advantage

- **Direct Factory Access:** Deal directly with the export arm of a 30-year veteran manufacturing network spanning multiple Chinese, eliminating third-party friction.
- **Complete Oversight:** We manage quoting, strict quality control (QC) and full international logistics.
- **Custom Engineering:** Solutions built and modified across our facilities to meet exact operational requirements.
- **One Point of Contact:** The right product, at the right price, delivered worldwide smoothly.

Industries We Serve

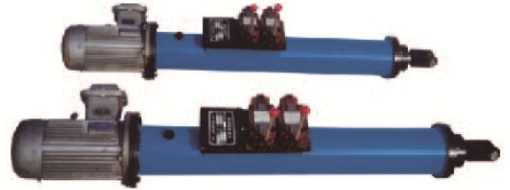
- Mining & Minerals
- Heavy Metallurgy & Steel Plants
- Port Terminals & Cargo Loading
- General Bulk Material Handling
- Power Generation & Cement Plants



Category: Electro-Hydraulic & Bulk Material Control

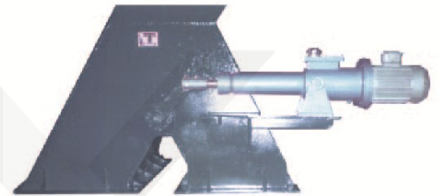
Electro-Hydraulic Linear Actuators (Push Rods)

- **Overview:** Integrated mechanical, electrical and hydraulic transmission system designed for heavy-duty linear motion. Features built-in overload protection to prevent motor and component damage.
- **Applications:** Ideal for stroke control and automation in mining, metallurgy, coal and power plants.



Electro-Hydraulic Diverter Valves (3/ 4-Way)

- **Overview:** High-efficiency material routing systems engineered for smooth, jam-resistant bulk material switching.
- **Applications:** Critical for conveyor systems in cement, coal preparation and port cargo loading facilities.



Electro-Hydraulic Sector Gates & Discharge Valves

- **Overview:** Heavy-duty sector gates and flat valves providing leak-proof sealing and rapid opening/closing under immense material pressure.
- **Applications:** Specifically designed for ash discharge, ore bins and hopper flow control in steel mills and power generation facilities.



Industrial Hydraulic Power Units (HPU)

- **Overview:** Custom-engineered centralized hydraulic stations providing high-pressure, reliable power for multiple actuators and complex automated systems.
- **Applications:** The driving force behind heavy metallurgy presses, large-scale plant automation, and centralized control systems.



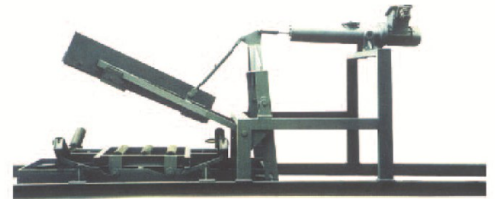
Available in 100+ configurations. Custom engineering and complete technical data sheets available upon request.



Category: Conveyor Systems & Industrial Braking

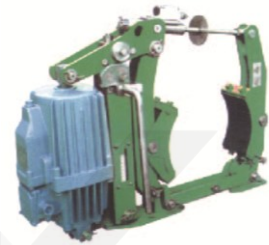
Electro-Hydraulic Plow Unloaders

- **Overview:** Automated plows designed for heavy belt conveyors to discharge materials at any point along the line without stopping the belt.
- **Applications:** Essential for coal yards, power plants and bulk material distribution centers.



Industrial Hydraulic Brakes

- **Overview:** Fail-safe crane and hoist braking systems providing high-torque deceleration and secure holding for massive dynamic loads.
- **Applications:** Critical safety components for port cranes, heavy metallurgy lifting and mining winches.



Conveyor Auto-Aligning Devices

- **Overview:** Self-adjusting mechanical systems that automatically detect and correct conveyor belt deviation to prevent spills and belt damage.
- **Applications:** Reduces downtime and maintenance in long-distance mining and cargo shipping conveyors.



Heavy-Duty Industrial Dampers & Louver Valves

- **Overview:** High-temperature, wear-resistant airflow and gas control valves (Louver and Butterfly types) engineered for precise flow regulation.
- **Applications:** Widely used in power generation exhaust systems, cement plant dust removal and metallurgical furnaces.



Available in 100+ configurations. Custom engineering and complete technical data sheets available upon request.

Category: Heavy Pipeline & Fluid Control Systems

Electro-Hydraulic Rotary Actuators

- **Overview:** Compact, high-torque rotary driving units designed to automate 90-degree pipeline valves.
- **Applications:** Essential for automating massive ball and butterfly valves in heavy pipeline infrastructure.



Heavy-Duty Conveyor Tripper Cars

- **Overview:** Massive, rail-mounted mechanical unloading cars designed for continuous, high-volume material distribution.
- **Applications:** The backbone of material distribution in massive coal bunkers and ore storage facilities.



Motorized Slurry & Knife Gate Valves

- **Overview:** Heavy-duty gate valves engineered to slice through thick, abrasive and high-density fluids.
- **Applications:** Non-negotiable for mining slurry transport, wastewater treatment and chemical processing.



Industrial Goggle Valves (Blind Plate Valves)

- **Overview:** Absolute shut-off safety valves providing secure isolation for hazardous and toxic gas pipelines.
- **Applications:** Critical safety infrastructure for blast furnaces and gas recovery lines in steel metallurgy.



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Category: Heavy Hydraulic Actuation & Power Systems

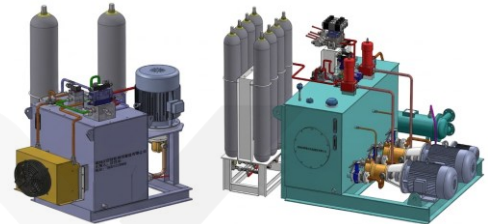
Heavy-Duty Engineering Hydraulic Cylinders (HSG Series)

- **Overview:** Robust double-acting piston hydraulic cylinders engineered for heavy linear motion and high-pressure resilience.
- **Applications:** The primary driving force for construction machinery, heavy metallurgy equipment and mining rigs.



Custom Industrial Hydraulic Power Units (YZ Series)

- **Overview:** Centralized fluid power stations designed to provide stable, controllable pressure and flow direction for multiple actuators.
- **Applications:** Essential for driving heavy presses, large-scale automation, and continuous bulk material handling setups.



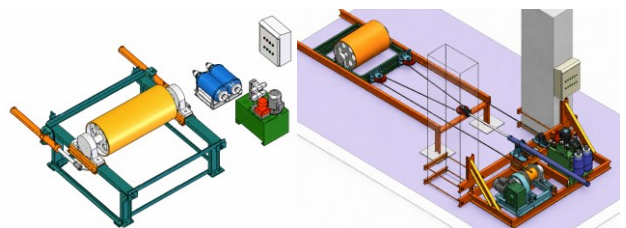
Split-Type Electro-Hydraulic Actuators (DYTF Series)

- **Overview:** Specialized actuators where the motor and pump unit are separated from the drive cylinder via high-pressure hoses.
- **Applications:** Specifically designed for installations in highly constrained spaces or hazardous zones requiring isolated drive units.



Dynamic Hydraulic Belt Tensioning Systems (DYL Series)

- **Overview:** Automated hydraulic winches and tensioners that dynamically adjust and maintain optimal tension on heavy conveyor belts.
- **Applications:** Prevents belt slippage and tearing in long-distance mining conveyors and port cargo loading lines.



Available in 100+ configurations. Custom engineering and complete technical data sheets available upon request.

Category: Bulk Loading & Weighing Systems

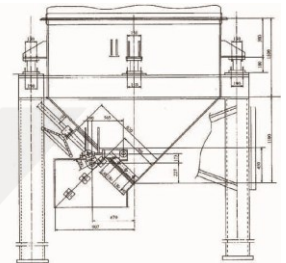
Automated Railway & Truck Loading Gates

- **Overview:** High-capacity loading gates engineered for the precise and rapid discharge of bulk materials into train wagons and transport trucks.
- **Applications:** The ultimate solution for logistics automation in coal mines, cement plants, and aggregate shipping yards.



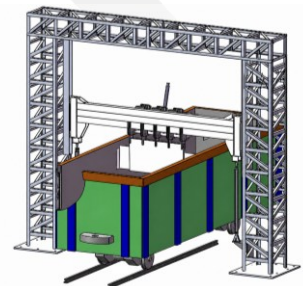
Heavy-Duty Industrial Weighing Hoppers

- **Overview:** Integrated hydraulic weighing hoppers providing accurate, automated batching and weight control for continuous material flow.
- **Applications:** Critical for metallurgical dosing, coal blending and raw material processing where exact tonnage is required.



Railway Wagon Coal Leveling Systems

- **Overview:** Massive automated gantry systems designed to evenly distribute and level bulk coal or ores inside train cars.
- **Applications:** Prevents dangerous weight imbalances during transit and ensures maximum loading efficiency for railway logistics.



Open-Air Conveyor Dewatering Devices

- **Overview:** Specialized hydraulic scraper systems that actively remove excess water and moisture from exposed conveyor belts.
- **Applications:** Prevents material slippage, belt degradation, and operational delays in open-pit mining and rainy port environments.



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Category: Environmental & Ash Handling Systems

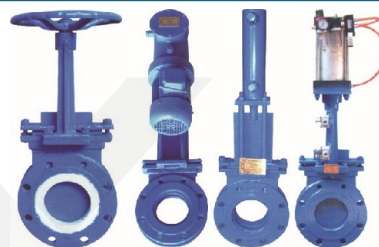
Dry Fog Dust Suppression Systems

- **Overview:** Advanced micron-level water mist systems designed to capture and suppress airborne dust particles at the source without wetting the bulk material.
- **Applications:** Crucial for environmental compliance in coal yards, mining crushers and bulk material transfer stations.



Ceramic Lined Abrasive Valves

- **Overview:** Specialized control valves featuring inner ceramic linings, providing up to 10 times the wear resistance of standard steel valves.
- **Applications:** The ultimate solution for handling highly abrasive media like mining slurry, pulverized coal and fly ash.



Rotary Airlock Feeders (Star Valves)

- **Overview:** Precision-engineered rotary valves designed to discharge bulk materials and ash while maintaining a strict air seal in pressurized systems.
- **Applications:** Indispensable for dust collectors, cyclone separators, and pneumatic conveying systems in cement and power plants.



Double-Layer Flap Valves

- **Overview:** Heavy-duty double-airlock flap valves built to withstand extreme temperatures and prevent air leakage during continuous ash discharge.
- **Applications:** Specifically deployed under high-temperature boilers, kilns and smelting furnaces for safe and efficient ash removal.



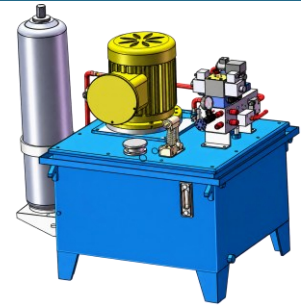
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Category: Smart Automation & IoT Control Systems

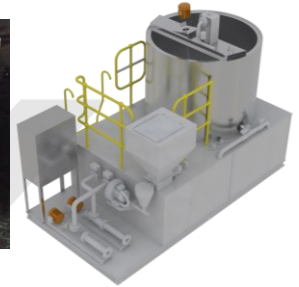
Hydraulic IoT Condition Monitoring Systems

- **Overview:** Cloud-based real-time monitoring platforms utilizing advanced sensors to track hydraulic pressure, temperature and fluid viscosity.
- **Applications:** Enables predictive maintenance and prevents catastrophic failures in heavy hydraulic stations and industrial cylinders.



Automated Chemical Dosing Systems

- **Overview:** Precision PLC-controlled dosing modules designed for the automated preparation, purification and injection of industrial flocculants and reagents.
- **Applications:** Significantly reduces chemical waste and improves separation efficiency in water treatment and mining flotation processes.



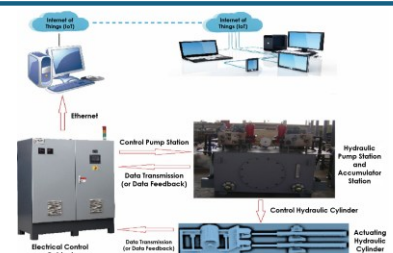
Laser-Focused Automated Quality Analyzers

- **Overview:** High-end laboratory-grade autonomous systems that perform fully automated sampling, grinding, and laser-focused combustion testing. Features high-precision analytics with no radioactive sources.
- **Applications:** Achieves "dark factory" unmanned laboratory operations for real-time quality control of coal.



Unmanned Conveyor IoT & Tension Control

- **Overview:** Integrated command systems combining AI video surveillance, automatic belt tensioning winches and fault prediction algorithms.
- **Applications:** Achieves zero-man operation and prevents belt tearing in hazardous mining galleries and large-scale port conveyor networks.



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READY TO UPGRADE YOUR OPERATIONS?

Partner directly with China's trusted manufacturing network

Huashengxue Ltd (HSX) Heavy Industrial & Hydraulic Solutions

- **Custom Engineering:** We design and manufacture specialized hydraulic and bulk material handling systems custom-built for your exact site requirements.
- **Global Export:** Seamless shipping, strict quality control and full international compliance for heavy machinery.
- **Technical Support:** 24/7 dedicated engineering support and complete technical data sheets available upon request.

READY TO UPGRADE YOUR OPERATIONS?

Partner directly with China's trusted manufacturing network

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