

Introduction of Hydraulic truck dumper



Hydraulic Truck Dumper Series

The hydraulic truck dumper is our flagship product, specially designed for all types of bulk material trucks. It lifts the platform via hydraulic drive and uses gravity to achieve rapid material unloading, widely used in grain storage, port logistics, coal & coke, paper & chemical, building materials & aluminum, potato & peanut processing, sugar & glass, bulk cement, soybean meal, and other bulk material receiving operations across industries.

Core Safety & Performance Advantages

With "safety as the core and efficiency as the goal", ZFITA's Hydraulic Truck Dumpers are equipped with a full-dimensional safety protection system and intelligent control technology to ensure reliable operation throughout the entire process:

1. Intelligent Synchronous Balance System: The electronic control system monitors the synchronization of dual cylinders and the left-right balance of the platform in real time, automatically compensates and corrects deviations beyond the set safety value, completely eliminating hidden dangers caused by cylinder asynchrony and platform imbalance.
2. Hydraulic Safety Lock Protection: A safety lock is installed at the oil inlet of the main cylinder, which automatically locks in case of pipeline rupture or hydraulic oil leakage, preventing the platform from falling rapidly and causing safety accidents.
3. Manual Emergency Lowering Function: In case of sudden power failure, the flip plate can be slowly reset manually, ensuring the safety of personnel, equipment, and vehicles.
4. Industrial-Grade Remote Control System: One-machine-one-code industrial remote control with one-use-one-backup configuration, full action interlock to prevent mis-operation, allowing operators to stay away from dusty work areas for safe and efficient operation.
5. Over-pressure & Temperature Control Protection: Real-time monitoring of hydraulic system pressure, automatic alarm and protection for over-pressure; automatic temperature control system adjusts oil temperature in real time, adapting to high/low temperature harsh environments and extending equipment service life.

Efficient Operation Experience: Only 1-2 operators are required for a single machine, and a single unloading cycle takes only 3-5 minutes, which is more than 10 times more efficient than manual unloading, greatly reducing labor costs and improving operational efficiency.

Deep Foundation Type:



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