CATALOGUE

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Contact Winner
Slurry Separation System

General Description

Slurry separation system is an indispensable process in the construction process of slurry shield machine. The mud-water system is closely related with the selection of shield machine, tunneling speed, geological conditions, etc., different geological conditions determine the different patterns of mud and water system.

Function

1. In a timely manner to the excavation of the sealing surface to provide excavation construction needs of the mud, With the good quality of bentonite prepared by the proportion of mud, viscosity and other technical indicators must be satisfied in the formation of high permeability sand layer of mud and stability of the excavation surface requirements;
2. Cutting the formation of mixed sand slurry timely transported to the ground for separation and treatment, and then adjust the use of recycled mud. Slurry circulation system schematic diagram.

Architecture

WNX series of slurry separation equipment consists of coarse screen unit, the first cycle unit and the second cycle unit. The overall modular design, according to the specific requirements of the project split system combination, has a strong engineering applicability. WNX series of slurry treatment system is mainly composed of mud and water separation system and modulation slurry system composed. The main function is to process the tunnel excavation process contains gravel and soil slurry separation work, separated from the sand and mud contains a small amount of water can be shipped out directly. The mud part can be directly adjusted as a tunneling construction equipment, raw materials, to ensure the normal operation of tunneling construction equipment.
Slurry Separation System

Features

Mud and water balance shield machine started digging, the sludge discharged by mud pump by WNX slurry separation equipment, and then discharged into the sedimentation tank for precipitation. After the first cycle unit and the second cycle unit dewatering screen out of the residue particles, can be transported by vehicles carrying environmental monitoring to the designated spoil. If the mud density is too large to add water for dilution, if the slurry density is too low, the use of high-speed pulp machine to adjust, increase the mud density pumped to the shield machine.

Reliability Guarantee

The slime system adopts the modular design, the whole structure is simple and reasonable, the area is small, the slag is concentrated, the equipment is simple, the quality is stable and reliable and the failure rate is low. The system design capacity is large, WNX-1000 slurry separation equipment reliability mainly in several aspects: First, the two systems can be realized between the series and parallel exchange; WNX-1000 slurry separation equipment reliability mainly in several aspects:

1) The overall design of the reliability, that is, the timely treatment of slurry, slurry quality of adaptability;
2) Processing capacity of the wealthy configuration, including equipment and spare parts spare parts;
3) The reliability of the equipment itself, such as performance, quality, service life;
4) Through the pipeline system and the valve group to switch each group of equipment, each other back.
## Slurry Separation System

### Main Specifications

![Image of slurry separation system](image-url)

### Technical Parameters

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Enterprise Profile

Since 1954, Winner Group started the factory manufacturing Vibrating Feeder, Jaw Crusher, Impact Crusher, Cone Crusher, Vibrating Screen, Belt Conveyor, Construction Demolition Waste Recycling, Municipal Solid Waste Recycling, Sand & Stone Production Line and so on, with a wide application in Coal industry, Steel, Metallurgy, Mining, Construction, Chemical industry, food industry etc.

Located in Xinxiang city, China, 1 hour by car to the airport, with employee more than 1000, among whom 380 R&D engineers, a provincial research center, owning 133 invention patents and utility patents, ISO and CE criteria, top brand in domestic market and more than 30 countries exporting cases, this is how Winner Group guarantee the product quality and technical services.

With lots of government quality awards and technique awards, Winner serves the customers including China Bao Steel, China National Coal Group, Shenhua Group and Exports to USA, France, Brazil, India and other countries. Winner Group will always be there to provide you customized crushing and sorting solutions.
Contact Winner

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