

# Oil Based Mud Treatment System



**Xi'an • China**

energy

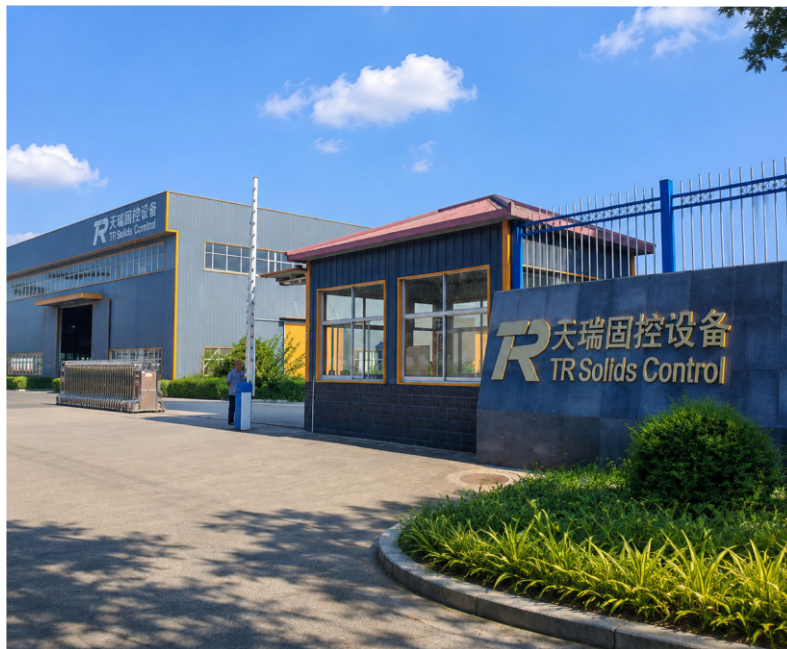


**Q1**

Registered  
Manufacturer

## About Us

- Established in December 2010, TR Solids Control is a professional manufacturer specializing in the R&D, production, sales and technical service of solids control equipment and mud recovery systems.
- Headquartered in Xi'an Economic and Technological Development Zone, the company covers an area of over 40 acres and employs 350-450 skilled professionals, including a dedicated R&D team of experienced engineers and technical experts.
- TR Solids Control has established a global presence, delivering reliable solutions to over 60 countries and regions across North America, South America, Europe, Asia, the Middle East and Africa.



# About Us



## Production Capacity

- Our company operates a modern manufacturing base covering a total area of approximately 35,000 square meters, including 22,000 square meters of standardized industrial workshops. We have established independent blanking, machining, welding, assembly, finished product inspection and warehousing & logistics centers, realizing a full-process closed-loop production system from raw material warehousing to finished product delivery.
- We have established a comprehensive quality control system, equipped with high-precision testing equipment such as coordinate measuring machines, ultrasonic flaw detectors, hardness testers and dynamic balance testing machines. All products are inspected in full accordance with international standards.



# Company Qualification

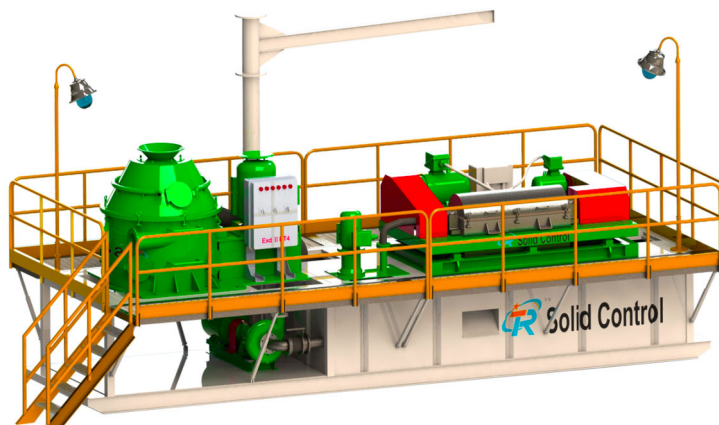


# Oil Based Mud Treatment System

## Introduction



- The TR Oil-Based Mud Treatment System is designed for the reduction, recycling, and environmentally compliant treatment of oil-based drilling waste. Widely used in oil & gas, shale gas, and CBM drilling, it combines efficient solid-liquid separation and thermal desorption technology to recover oil, water, and solids from waste drilling fluids and cuttings.
- The system typically includes cuttings conveyors, storage units, thermal desorption equipment, oil and gas recovery systems, exhaust gas treatment units, and an electrical control system. Standard and customized configurations are available for different drilling conditions and processing capacities.
- Featuring a modular design, intelligent control, and efficient thermal desorption, the system delivers high recovery efficiency, reliable operation, low maintenance, reduced disposal costs, and an efficient, environmentally friendly solution for oil-based drilling waste treatment.



# Oil Based Mud Treatment System

## Operating Principle

- The TR Oil-Based Mud Treatment System combines mechanical conveying, cuttings drying, centrifugal separation, and mud recovery to continuously treat oil-based drill cuttings and waste drilling fluids.
- Waste cuttings are conveyed to the cuttings dryer, where high-speed centrifugal force separates drilling fluid from the solids. The dried cuttings are collected for transportation and compliant disposal, while the recovered liquid is pumped to a high-speed variable-frequency decanter centrifuge to remove fine solids. The purified drilling fluid is returned to the mud circulation system for reuse, and the separated solids are collected for disposal.
- The system improves drilling fluid recovery, reduces residual oil on cuttings, lowers disposal costs, and provides an efficient, reliable, and environmentally friendly solution for oil-based mud treatment.



# Oil Based Mud Treatment System

## TR OBM Treatment System Features&Benefits

1

### High Recovery Efficiency

Efficiently recovers drilling fluids and reduces fresh mud consumption.

### Lower Residual Oil Content

Minimizes oil on cuttings, reducing waste volume and disposal costs.

2

3

### Reliable Continuous Operation

Provides stable, continuous performance for long-term drilling operations.

### Modular Design

Flexible configurations adapt to different drilling capacities and site conditions.

4

5

### Intelligent Control

Automated operation with real-time monitoring for easy maintenance.

### Eco-Friendly & Cost-Effective

Reduces waste, increases resource recovery, and lowers overall operating costs.

6

| No. | Equipment                      | Qty.  | Model        |
|-----|--------------------------------|-------|--------------|
| 1   | Vertical Cuttings Dryer        | 1 Set | TRCD930C     |
| 2   | Screw Conveyor                 | 1 Set | LS450-11     |
| 3   | Screw Conveyor                 | 1 Set | LS450-4      |
| 4   | High-Speed Decanter Centrifuge | 1 Set | TRLW355N-1   |
| 5   | Centrifuge Feed Pump           | 1 Set | 80YZ50-20B   |
| 6   | Mud Tank                       | 1 Set | 9mx2.2mx1.3m |



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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