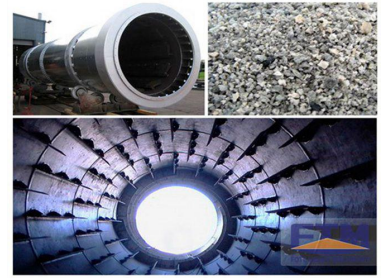


Three-Drum Industrial Dryer

The three-drum dryer is a contact internal heating conduct dewatering unit. It is mainly composed of inner cylinder, outer cylinder, roller, tire support device, gear, discharge port, outlet, and sealing devices.



ADDITIONAL IMAGES



Product Overview

Industrial Three-Drum Drying Solution

The three-drum industrial dryer utilizes a sophisticated contact internal heating system designed for high-efficiency dewatering. By employing three concentric cylinders, this unit maximizes heat exchange and provides a compact footprint, occupying only half the space of a single-drum dryer. Its robust design ensures reliable operation with low energy consumption and simple automation, making it ideal for processing minerals, aggregates, and granular materials.

Key Features

Advantages

High Heat Efficiency, Compact Design, Low Energy Consumption, Simple Automation, Uniform Drying

Technical Construction

Core Components

- Inner cylinder
- Outer cylinder
- Roller assembly
- Tire support device
- Gear system
- Sealing and discharge ports

Process Summary

Stage	Process Description
Inner Drum	Current flow drying with spiral advancing material exchange.
Middle Drum	Counter-current drying with two-steps forward, one-step back movement.
External Layer	Rectangle multi-loop drying and final material cooling.

Performance Metrics

Efficiency Stats

50 %

Space Efficiency