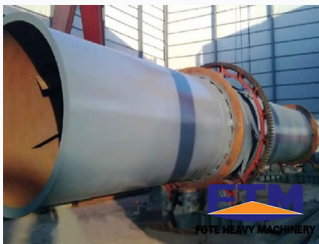


Rotary Coal Slime Dryer

The coal slime dryer, also known as a sludge dryer, efficiently dries slurry, coal slime, and metal/nonmetal materials. Wet slime is conveyed into the dryer via a ribbon conveyor, where it enters the drying chamber.



ADDITIONAL IMAGES



Overview

Industrial Rotary Drying Solution

The Rotary Coal Slime Dryer is a robust, high-capacity drying machine engineered for the efficient processing of coal slime, sludge, and various mineral ores. Utilizing a co-current heating method and internal spiral lifting boards, it ensures consistent heat exchange and moisture reduction for materials like clay, limestone, and metal concentrates. This system is designed for demanding industrial environments, offering high productivity, low fuel consumption, and reliable operation within mining and chemical engineering applications.

Processible Materials

- Slime
- Raw coal
- Flotation clean coal
- Mixing clean coal
- Slag
- Clay
- Bentonite
- Limestone
- Sand
- Quartz stone
- Metal concentrate
- Waste residue
- Tailings

Suitable Applications

Mining, Ore Beneficiation, Construction Materials, Chemical Engineering

Performance Metrics

Capacity Range

285 m³

Max Cylinder Volume

76 t/h

Max Production Capacity

Technical Specifications

Model Specifications

Model (D×L)	Volume (m ³)	Capacity (t/h)	Motor (kw)	Weight (t)
1.2×8.0	9	1.9-2.4	7.5	9
1.5×12	21.2	4.5-5.7	15	18.5
1.8×12	30.5	6.5-8.1	18.5	21.5
2.2×12	45.6	9.7-12.2	22	33.5
2.4×14	63.3	13.5-16.9	37	45
3.0×20	141.3	30.1-37.7	75	85
3.6×28	285	60.8-76.0	160	135

Operating Parameters

- Installation inclination: 3-5%
- Highest intake air temperature: 700-800°C