

Dryer



How it works

The three-cylinder dryer is mainly used for drying a certain humidity and size of granular materials, such as various specifications of sand used in a foundry industry, blast furnace slag used in building materials and cement industry, clay in a small size, small materials, which have no chemical changes, resists high temperature and are with flyblown dust, used in chemical industry. In accordance with the request of materials and water in different industries, water in materials which are dried can be below 1-0.5%. The materials which enter into dryers should not stick on cylinder wall and feeding plates. The gas temperature which is into the dryer should be less than 750°C. If it requests being dried in higher temperature, the inner cylinder at the entrance of the dryer can be made of steel plate.



Products Parameters

Diameter of Outer Cylinder	2.6m	Reductor Ratio	29l
Length of Outer Cylinder	6.0m	Initial Moisture of Slag	8%-10%
Power	5.5*4t/h	Final Moisture of Slag	0.5%-1%
Cylinder Volume	31.84m³	Cylinder Speed	4-10rpm
Maxinlet Temperature	700°C-750°C	Capacity	25-28t/h (slag)

Technical Advantages

- **Compact Design:** Takes up half the space of a single-drum dryer with the same output.
- **Efficient & Reliable:** Low energy consumption with high thermal efficiency.
- **Superior Drying Performance:** Supports automation with minimal operator requirements.
- **Smooth Transmission:** Features a convenient universal joint drive.
- **Customizable Control:** Optional variable frequency speed regulation for enhanced operation.

