

YIFAN

Drying Hammer Crusher



Leading crushing and screening equipment manufacturer in China

Zhengzhou YiFan Machinery Co.,Ltd(the share-holder is Shande Technology (Beijing) Co., Ltd) has its headquarter in Beijing. It is a famous manufacturer of crushing and screening equipment and provides series stone crusher and crushing equipment for customers.



YIFAN

ZHENGZHOU YIFAN MACHINERY CO.,LTD

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Drying Hammer Crusher is suitable for crushing and drying soft or nonabrasive materials, such as gypsum, chalk, clay, slurry, filtered cake, etc. It can break up, dry and calcine industrial by-product gypsum, flue gas desulfurized gypsum. This equipment is of high efficiency and low energy consumption. It has the functions of breaking up and crushing the materials while drying them. The rotary rotor breaks up the materials, hot blast dries them, and air flow takes the crushed and dried materials into separation chamber. Afterwards, fine powder is separated in cyclone, while coarse particles goes back to the hammer crusher and crushed again.

Features and Benefits

Drying Hammer Crushers adopt reasonable and reliable process technology, high-quality material and advanced automated processing equipment, which ensures the reliable and steady operation, and convenient maintenance. Each environmental indicators of this equipment are in line with the requirements of the country.



Scope of Application

In gypsum board industry, the rotor on drying hammer crusher can break up and throw the desulfurized gypsum slag, whose water content is no more than 12%. During this process, the gypsum slag exchanges the heat with the intake hot air of 550 °C, and then the max water content of the material is 1%, which goes into riser from outlet duct and then hot air takes the material into the next process. This machine can also be used to dry and crush filtered cake in cement industry and calcium carbide slag in environmental protection.

Installation and Commissioning

Equipment should be installed in the level of concrete foundation, and be fastened with anchor bolts.

Special focus on the main body of the machine keeps vertical to the horizontal when installed. After installation, check whether each part of the bolt is loose or the door of the main part is fastened.

Configuring power wire or control switches according to the power of the machine.

Check finished, testing vacant burthen movement. The machine can be put into production if the test is normal.

Machine maintenance instructions

The bearing bears all the load of machine, so a good lubrication has a great influence on the bearing' s life. It directly influences the useful life and operation rate. The lubricating oil must be clean, the seal for it must be good. The main places of fuel injection: (1) rotary bearing (2) roll bearing (3) all gear wheels (4) free bearing , sliding plane.

The newly installed tyres are easy to become loose, should check regularly.

Pay attention to whether each part of the machine is working properly.

Pay attention to check the degree of wear of vulnerable parts and replace worn part at any time.

The plane of the chassis which be used to lay up movable mounting should be removed dust.

Once the bearing' s oil temperature rises, operators should stop to check immediately.

If the rotary gear has impulsive sound when it is operating, operators should stop to check immediately and to avoid.

Technical Data

Model	Feed Moisture content	Max Feed Size (mm)	Motor Power (kw)	Capacity(t/h)	Weight (t)
DSJ2015	≤15%	≤100	220	30-35	40
DSJ2515	≤15%	≤100	250	40-50	55
DSJ2821	≤15%	≤100	450	65-80	78
DSJ3026	≤15%	≤100	800	110	128
DSJ4325	≤15%	≤100	800	150-160	145

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