ZSW Vibrating Feeder

Principle

The vibration exciter is composed of two eccentric shafts at specific locations in gear meshing way. Driven by motor, the two eccentric shafts rotate and generate resultant linear vibration force, which impels the body to vibrate on the supporting spring. The materials slide and takes throwing motion under the action of the vibration. In this way, the materials move forward and feeding is realized.

Features

With features of simple structure, easy installation, stable vibration, reliable operation, long lifespan, convenient maintenance and repair, and easy automatic control. ZSW vibrating feeder adopts double-shaft vibrator and linear vibration. With feeding and screening process finished at the same time, it improves the utilization rate of the equipment and reduces the costs. It is not suitable for conveying sticky and wet materials. It can feed the rough crusher continuously and evenly, at the same time, coarse screening of materials can be processed. Variable-frequency and variable-speed motor can be installed, which regulates frequency, changes the production, and is easy to control the feed quantity, without starting frequently.

Application

It is widely used as the crushing and screening combination equipment in the fields of metallurgy, coal mine, mineral processing, building materials, chemical industry, abrasive, etc. This equipment is not suitable for transporting sticky or wet materials.

Technical Parameters

Model	Tank Dimensions (mm)	Max. Feed Size (mm)	Feed Capacity (t/h)	Rotating Speed of Eccentric Shaft (r/min)	Motor Power (kW)	Weight (kg)
ZSW380×95	3800×950	500	96~160	800	11	4082
ZSW420×110	4200×1100	500	110~180	800	15	4149
ZSW490×110	4900×1100	500	115~192	800	15	4263
ZSW590×110	5900×1100	630	350~500	800	22	6130
ZSW600×130	6000×1300	750	400~560	800		7800

GZG Inertial Vibrating Feeder

Features

Inertial vibrating feeder with frequency conversion and speed regulation has the features of advanced design, rational structure, adherence to specification on various technical indicators, good performance, and stable & reliable operation, the amount adjustment of which is long-distance, online, smooth, and electrodeless.

The economic and social benefit are very significant with production rate increased by 50%, electricity reduced by 59% or above, power factor of 0.98, maintenance time reduced by 30%, noise reduced to 80 db, and the weight of equipment reduced by 50% or above.

Service Conditions

The environment temperature is no more than + 40 ℃ ;
When the environment temperature is 20±5℃ , the relative humidity of surrounding medium is no more than 85%;
There is no medium with serious corrosion and influence on electrical insulation.

www.xinhaimining.com Email:xinhaipro@gmail.com