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STRONG FORCE VIBRATING SCREEN

INTRODUCTION

The strong force vibrating sifter with high amplitude is the proper and best heavy duty screening equipment for DIFFICULT SCREENING MATERIAL.

During operation period, the high amplitude could keep the max screening efficiency all the time, The overlarge area screen deck and large capacity of the high amplitude screen could let the screen equipment meet customer's request on capacity.

This high amplitude screen adopt multiple stage screen deck and only the multiple stage screen deck vibrate when working, and screen box and screen frame do not vibrate when operation, which could take most useful of the energy and make true the large size screen be with high efficiency.

WORKING PRINCIPLE

Strong force vibrating sifter consists of screen frame, screen box, screen deck, exciter, motor and spring. The structure feature is following:

Screen deck is single screen bar and array length-ways, the screen deck is mounted on exciter directly, and the exciter is the single shaft type, the screen exciter is mounted on screen frame and separated with screen box, the screen exciter is driven by motor via tire coupling, the centrifugal force will make the screen deck vibrate, the screen box will not vibrate, the vibration path is a circle.

This serial screen is pedestal installation type, the motor could be mounted on any side of the screen box, and also could be mounted on the two side of the screen at the same time.

FEATURE

Compare with other screening equipment, strong force vibrating sifter has following features:

1. High amplitude, low frequency.
2. Large exciting force:Reliable operation and running smoothly.Vibration exciting force can be segmented to adjust and optimized the material running speed and vibration parameters, thus generating uniform thickness sifting effect.
3. Elastic screen deck: it can be equipped with elastic rod sieve plate, trapezoidal vibration deck, ladder sieve plate and comb sieve plate, perforated screen plate ,woven screen and so on, accordingly, it takes the shape of efficient sizing screen which can meet the requirement of different working conditions.

PARAMETER

Model	Deck dimension (dm)	Slope angle of deck	Aperture size (mm)	Frequency (rpm)	Ampituede (mm)	Feeding size (mm)	Capacity (T/H)	Powder
PKGQ30120	30*120	26	13-150	730	12-25	< 150	300-500	6*11
PKGQ25100	25*100	23	13-100	730	15-25	< 150	200-400	6*11
PKGQ1560	14*60	20	8-80	720	12-25	< 150	120-150	4*7.5

APPLICATION

GQS serial high amplitude vibrating screen with strong force is a proper screening equipment for screening some moist little size material which is difficult to screen, it is the heavy duty equipment for screening the moist and hard-to-screen material.

It is mainly applied to the coal mines, coal preparation plant, power plants, mining, chemical, coking and other classification work.



