

MEGA YOUNG SCREENING TECHNOLOGY CO., LTD



MEGA YOUNG

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YA SERIES CIRCULAR VIBRATING SCREEN

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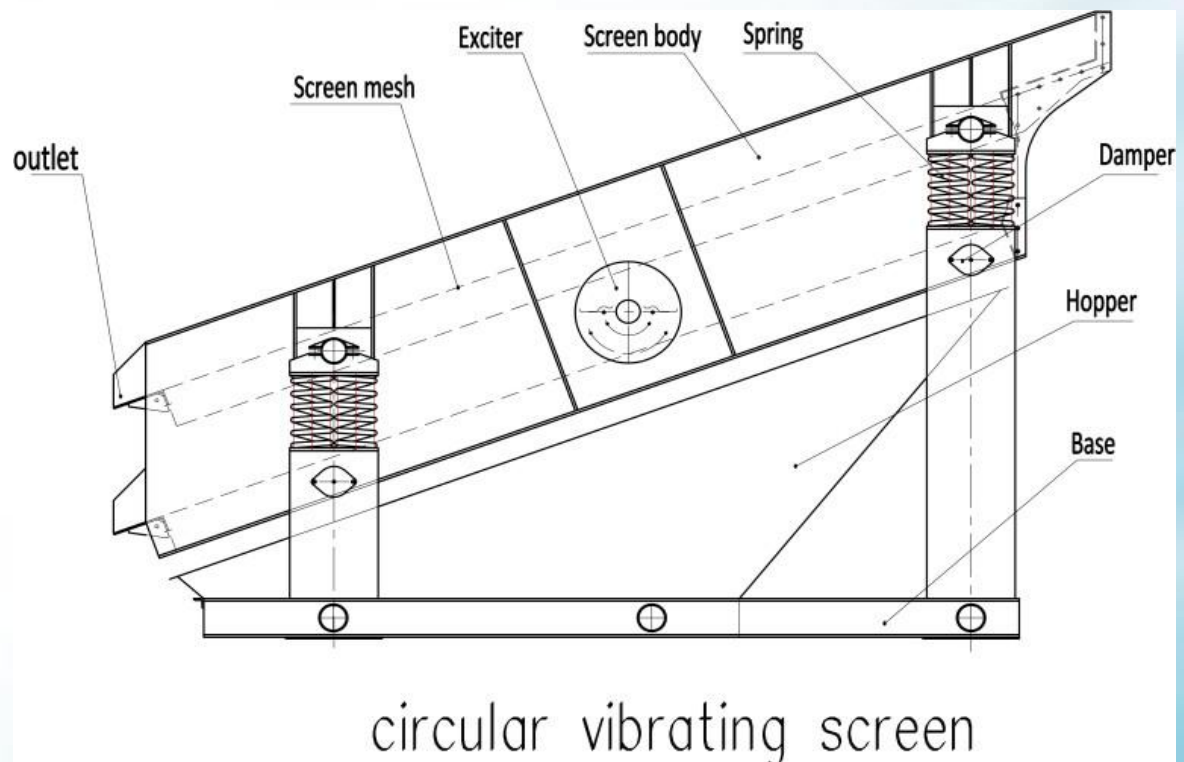
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INTRODUCTION

YA series circular vibrating sifter is a multi-layer, high-efficient vibrating screen machine, with the applications of classification, separation, grading, according to material particle size. It is basically a sifting machine that works in circular motion to classify any sizes of bulk materials, such as coal, minerals, stone, and coke, etc. Separating machine consists of screen deck, screen box, vibrating motor, eccentric block, rubber spring, and coupling-adopt motor with vibration exciter that work together to efficiently classify and separate the materials according to any requirement size.



WORKING PRINCIPLE

Circular Vibrating Sifter using indirect excitation of the screen mesh. The entire screen frame is driven by unbalance masses, which produce a circular vibrating motion. It used eccentric block to produce strong exciting force. The directionless vibrations of the circular vibrating system have a steep launch angle and the screen area must be further tilted in order to achieve a suitable transport speed.

Drive and Mounting of Circular Vibrating Screen Drive is by electric motor and cardan shaft to the main drive shaft equipped with a single unbalance weight where required additional v-belt can be provided. The drive shaft is mounted on heavy duty roller bearing sets, lubricated with grease or oil. Like the linear vibratory screens, circular vibrating screens are mounted on reinforced rubber springs to prove the same benefits in performance and longer lifespan.

FEATURE

Advanced structure and easy maintenance

High amplitude and large angle of inclination

High screening efficiency, large processing capacity, multiple layers (1-5)

Long service life, low power consumption and low noise;

High sifting efficiency

Adoption of punching sieve or steel made screening mesh in order to prevent blockage

Sift body connected by using high strength screw bolts

Adopts spring steel woven mesh or perforated sieve-plate, which helps to prolong the service life and prevent blockage

Rubber vibration spring is used to reduce noise pollution and provide smooth vibration operation.

PARAMETER

Model	Screening Area	Screen Opening	Feeding Size	Capacity	Vibration Frequency	Double Amplitude	Power
	(m ²)	(mm)	(mm)	(t/h)	(rpm)	(mm)	(kw)
YA1236	4.3	6-50	≤200	80-240	845	9.5	11
YA1530	4.5	6-50		80-240			11
YA1536	5.4	6-50		100-350			11
YA1542	6.5	6-150		110-385			11
YA1548	7.2	6-50		120-420			15
YA1836	6.5	30-150		140-220			11
YA1842	7.6	6-150		140-490			15
YA1848	8.6	6-50		150-525	15		
YA2148	10	6-50		180-630	748		18.5
YA2160	12.6	3-80		230-800			18.5
YA2448	11.5	6-50		200-700			18.5
YA2460	14.4	6-50		260-780			30

APPLICATION

YA series vibrating sifter is Widely used in Chemical, coal dressing, mineral ore dressing, building material, hydro-power, light, construction industries, etc. Generally, these models are built to specifically classify large, middle and small materials efficiently.

