

# Circular Vibrating Screen

## Operating Instruction

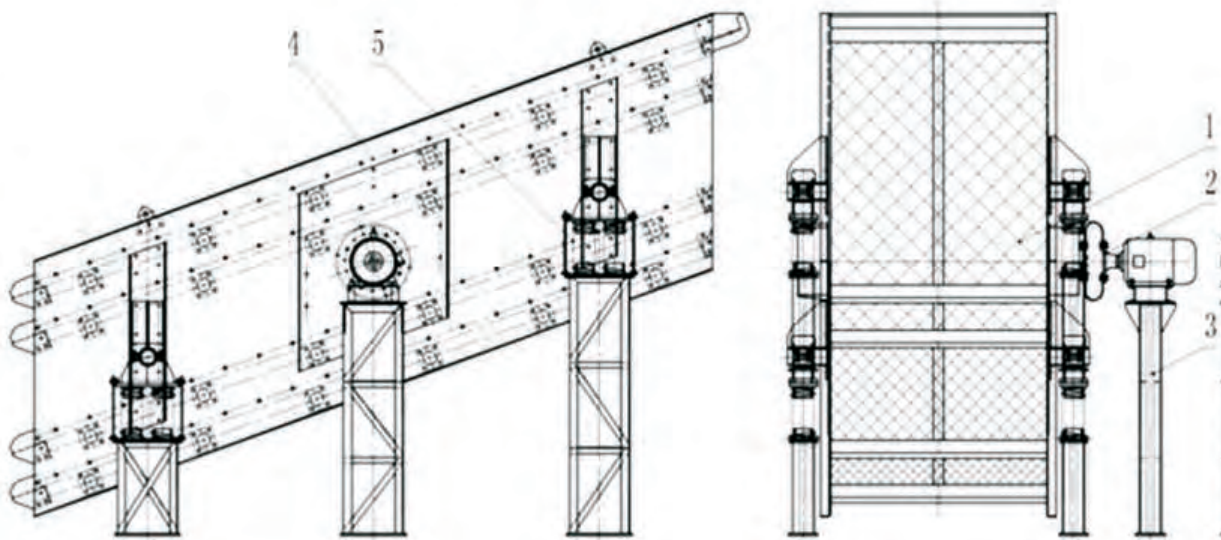


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## Overview

Circular vibrating screen is multi-layer, high-efficiency and new vibrating screen that moves on a circular motion. Circular vibrating screen adopts drum eccentric shaft exciter and eccentric block to adjust the vibration amplitude, so that the screening line is long and the screening specifications are more. Since it has such features as reliable structure, strong exciting force, high

screening efficiency, low vibration noise, long service life, convenient repair and safe use, circular vibrating screen is widely used for the product classification in mine, building material, transportation, energy and chemistry. (Note: According to the specific needs of the customers, our company can customize the vibrating screen with various specifications and vibrating methods.



1.Screen mesh

3.Bracket

5.Damping spring

2.Exciter

4.Screen box

✓ Applied material:



Calcite



River gravel



Granite



Diabase

## Features

- 1 The strong vibration of the screen box will reduce blocking phenomenon of the screen holes , which increases the screening efficiency and production.
- 2 Simple structure and easy to change screen surface.
- 3 Low power consumption for screening each ton of materials

## Characteristics

Processing capacity: 8-800m<sup>3</sup>/h

Vibrating power: 800-970r/min

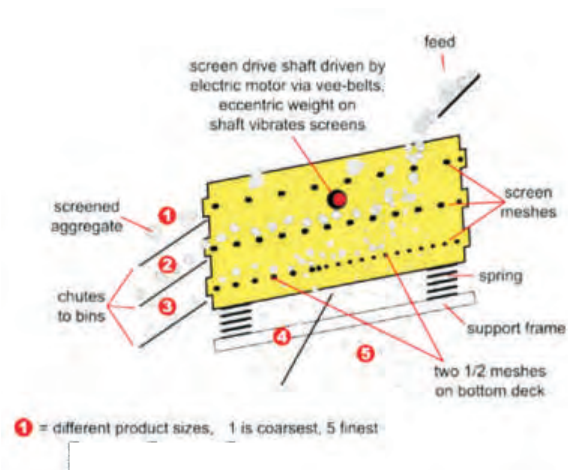
Max. feeding size: 400mm

Screen size: 4-100mm

Motor power: 5.5-22×2kw

## Working principle

The eccentric block of the exciter is driven by the motor through the V-belt to spin at high speed. The spinning eccentric block produces large centrifugal force which forces the screen box to do circular motion at certain amplitude. Materials on the inclined screen receive the impulse from the screen box and make continuous throwing movement. When materials meet the screen surface during the above movement, those particles with smaller size than the screen mesh will pass through the screen, thus finishing the classification process.



## Technical data

Model	Sieve layer	Sieve area (m <sup>2</sup> )	Mesh size (mm)	Max. feeding size (mm)	Processing capacity (m <sup>3</sup> /h)	Vibrating Frequency (r/min)	Double amplitude (mm)	Motor power (kw)	Sieve obliquity (°)	Sieve specification (mm)	Total weight (kg)	Dimensions (L×W×H) (mm)
2YK1225	2	6	4-50	400	8-60	800-970	8	5.5	20	1200×2500	3500	2930×1860×870
3YK1225	3	9	4-50	400	10-70	800-970	8	5.5	20	1200×2500	3850	3070×1860×1210
2YK1230	2	7.2	4-50	400	12-78	800-970	8	7.5	20	1200×3000	4200	3430×1860×870
3YK1230	3	10.8	4-50	400	13-80	800-970	8	7.5	20	1200×3000	4600	3570×1860×1210
2YK1237	2	8.88	4-50	400	15-86	800-970	8	7.5	20	1200×3700	4600	4050×1860×870
3YK1237	3	13.32	4-50	400	16-90	800-970	8	7.5	20	1200×3700	5200	4270×1860×1210
2YK1535	2	10.5	5-50	400	20-125	800-970	8	11	20	1500×3500	5890	4120×2210×1230
3YK1535	3	15.75	5-50	400	21-125	800-970	8	11	20	1500×3500	6700	4360×2210×1610
2YK1545	2	13.5	5-50	400	22-150	800-970	8	15	20	1500×4500	6330	5120×2210×1230
3YK1545	3	20.25	5-50	400	22-150	800-970	8	15	20	1500×4500	6800	5360×2210×1610
4YK1545	4	27	5-50	400	22-155	800-970	8	18.5	20	1500×4500	7800	5930×2210×2060
2YK1548	2	14.4	5-50	400	22.5-162	800-970	8	15	20	1500×4800	6980	5420×2210×1230
3YK1548	3	21.6	5-50	400	22.5-162	800-970	11	15	20	1500×4800	7700	5660×2210×1610
4YK1548	4	28.8	5-50	400	22.5-162	800-970	8	18.5	20	1500×4800	8700	6230×2210×2060
2YK1848	2	17.28	5-80	400	25-206	750	8	15	20	1800×4800	9080	5420×2550×1420
3YK1848	3	25.92	5-80	400	32-276	750	8	18.5	20	1800×4800	9600	5660×2550×1780
4YK1848	4	34.56	5-80	400	32-285	750	8	22	20	1800×4800	11100	6290×2550×2160
2YK1854	2	19.44	5-80	400	32-312	800-970	8	18.5	20	1800×5400	10150	5960×2550×1420
3YK1854	3	29.16	5-80	400	32-312	800-970	8	22	20	1800×5400	10840	6260×2550×1780
4YK1854	4	38.88	5-80	400	32-336	800-970	8	30	20	1800×5400	12840	6830×2550×2160
2YK2160	2	25.2	5-100	400	50-475	970	8	30	20	2100×6000	11780	6720×2840×1530
3YK2160	3	37.8	5-100	400	50-475	970	8	30	20	2100×6000	12800	7030×2840×1910
4YK2160	4	50.4	5-100	400	50-497	970	8	37	20	2100×6000	14800	7300×2840×2380
2YK2460	2	28.8	5-100	400	65-550	970	8	37	20	2400×6000	15600	7020×3140×1530
3YK2460	3	43.2	5-100	400	70-620	970	8	37	20	2400×6000	17600	7300×3140×1910
4YK2460	4	57.6	5-100	400	80-680	970	8	45	20	2400×6000	19600	7600×3140×2380
2YK2870	2	39.2	5-100	400	120-680	750	8	22×2	20	2800×7000	21200	7600×4320×1620
3YK2870	3	58.8	5-100	400	180-720	750	8	22×2	20	2800×7000	22400	7800×4320×2120
2YK3072	2	43.2	5-100	400	200-700	750	8	22×2	20	3000×7200	23600	7800×4520×1750
3YK3072	3	64.8	5-100	400	230-800	750	8	22×2	20	3000×7200	25500	8000×4520×2300





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