

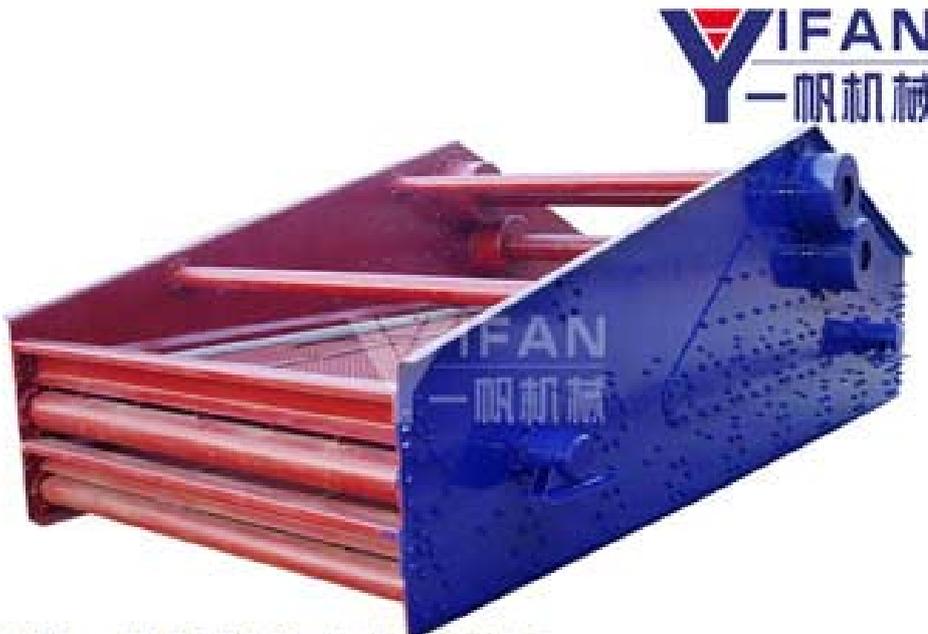


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ZK Series Straight-line Vibrating Screen



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Screen take eccentric block as exciting force, so materials on sieve were throw up, and at the same time do forward movement straightly. Materials ingress the screen evenly, produce several specification materials through multi-screen, and discharge from respective opening. It has such advantage as low consumption, high output, simple structure, easy maintenance, full-closed structure, no dust emission, automatic discharging and so on. It is more suitable for working trend.

Features and Benefits:

1. High vibrating force with unique eccentric structure. Adopt advanced construction, making the vibrating force powerful.
2. The beam and case of the screen are connected with high strength bolts without welding.
3. Simple structure, easy to repair.

4. Adopt tire coupling and soft connection makes operation smooth.
5. High efficiency, easy maintenance, sturdy and durable.
6. According to years of practice, it proves that this series of machine has lots of advantages, such as large handling capacity, reasonable technical parameter, high structural strength and stiffness; serialization, generalization, and high degree of standardization, running steadily and reliably, small noise, easy maintenance and so on.

Operational Principle:

Linear vibrating screen adopt dual motor drive, when the motors do synchronous, reverse rotation, the exciting force generated by eccentric block cancel each other out on the parallel direction of motor axis, and stacked together with the direction that perpendicular to the motor axis, so its trajectory is a straight line. There is a dip on the two motor's relative screen surface, materials was tossed by leaps and bounds forward for linear motion under the resultant action of exciting force and material self-gravity, so as to achieve the purpose of screening and grading. It is used in production line and realize automate operations. It has such advantages as lower consumption, high efficiency, simple structure, easy maintenance, full-closed structure, and no dust emission and so on. The Maximum screen mesh is 325, it can be screen seven different kinds of materials.

Range of application:

It is used for selecting and classifying the powder and granular materials. and widely used in plastics, abrasives, chemicals, medicine, building materials, food, carbon, fertilizer and other industries.

structural component:

It is mainly composed of screen box, deck base, sieve, vibrating motor, motor pedestal, damper spring, and bracket.

1. It is welded by different kinds of steel plate with different thickness, and with a certain degree of strength and stiffness. It is the main components of the machine.
2. Deck base: It is composed of pine and small deflection wood, it is mainly used to keep the sieve formation, and make it normal screen.
3. Sieve: It has low carbon steel, brass, bronze, stainless steel wire and other sieves.

4. Vibrating Motor (look at the vibrating motor manual details about the maintenance)

5. Motor Pedestal: Install vibrating motor, tighten the connecting screws before use them, especially use the new machine in first 3 days. They must be repeated fastening, so as to avoid accident due to screws loosen.

6. Damper Spring: It prevent vibration transmit to the ground, support the full weight of the screen box at the same time. the spring must be upright the ground while install it.

7. Bracket: It is composed of 4 pillars and two steel channels, and support the screen box. Pillars must be installed vertically with the ground, and the steel channels under the pillars should be parallel.

Technical date:

Model	Screen Surface		Max Feeding (mm)	Moter Power (kW)	Capacity (t/h)	Weight (t)
	Deck size(m ²)	Installation Slope (°)				
ZK1022	2.25	-5~5	<250	3×2	4.5-90	2.2
ZK1230	3.6	-5~5	<250	4×2	7.2-144	2.6
ZK1237	4.5	-5~5	<250	5.5×2	9-180	3.1
ZK1437	5.25	-5~5	<250	5.5×2	12-250	3.2
ZK1445	6.3	-5~5	<250	7.5×2	12.6-252	4.1
ZK1637	6	-5~5	<250	5.5×2	12-240	3.5
ZK1645	7.32	-5~5	<250	11×2	95-280	4.5
ZK1837	6.75	-5~5	<250	11×2	90-270	5
ZK1845	8.1	-5~5	<250	11×2	16.2-234	5.5
ZK1852	9.45	-5~5	<250	11×2	18.9-378	5.9
ZK2045	9	-5~5	<250	11×2	16.2-324	6
ZK2052	10.5	-5~5	<250	11×2	21-420	6.4
ZK2060	12	-5~5	<250	15×2	24-480	7.6
ZK2445	10.8	-5~5	<250	15×2	21.6-432	7.4
ZK2452	12.6	-5~5	<250	15×2	25.2-504	8.2
ZK2460	14.4	-5~5	<250	15×2	28.8-576	9.2
ZK3045	13.5	-5~5	<250	15×2	27-540	10
ZK3052	15.75	-5~5	<250	22×2	31.4-628	10
ZK3060	18	-5~5	<250	22×2	17.5-525	11
ZK3645	16.2	-5~5	<250	22×2	37.8-756	12.2
ZK3652	18.9	-5~5	<250	22×2	43.2-864	13.4
ZK3660	21.6	-5~5	<250	22×2	43.2-864	14.3

ZK3675	27	-5~5	<250	30×2	54-1080	17.1
2ZK1022	2.25	-5~5	<250	4×2	4.5-90	3
2ZK1230	3.6	-5~5	<250	5.5×2	7.2-144	3.7
2ZK1237	4.5	-5~5	<250	7.5×2	9-180	4.4
2ZK1437	5.25	-5~5	<250	7.5×2	12-250	5
2ZK1445	6.3	-5~5	<250	15×2	12.6-252	6.9
2ZK1637	6	-5~5	<250	15×2	12-240	6.9
2ZK1645	7.32	-5~5	<250	15×2	95-280	8.6
2ZK1837	6.75	-5~5	<250	15×2	90-270	7.9
2ZK1845	8.1	-5~5	<250	15×2	16.2-234	8.1
2ZK1852	9.45	-5~5	<250	15×2	18.9-378	9
2ZK2045	9	-5~5	<250	15×2	16.2-324	9.1
2ZK2052	10.5	-5~5	<250	22×2	21-420	10.1
2ZK2060	12	-5~5	<250	22×2	24-480	10.8
2ZK2445	10.8	-5~5	<250	22×2	21.6-432	11
2ZK2452	12.6	-5~5	<250	22×2	25.2-504	12.5
2ZK2460	14.4	-5~5	<250	22×2	28.8-576	13.5
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2ZK3060	18	-5~5	<250	37×2	17.5-525	18.2
2ZK3645	16.2	-5~5	<250	45×2	37.8-756	21
2ZK3652	18.9	-5~5	<250	45×2	43.2-864	24
2ZK3660	21.6	-5~5	<250	45×2	43.2-864	25.4

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