

YIFAN

ZK Series Straight-line Vibrating Screen



Leading crushing and screening equipment manufacturer in China

Zhengzhou YiFan Machinery Co.,Ltd(the share-holder is Shande Technology (Beijing) Co., Ltd) has its headquarter in Beijing. It is a famous manufacturer of crushing and screening equipment and provides series stone crusher and crushing equipment for customers.



YIFAN

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ZK Series linear vibrating screen is a kind of sieving equipment of international advanced level, developed by our company on the basis of carrying on the advantages of traditional screens and absorbing the outstanding technology from abroad. It is widely used in mining, coal, smelting etc, industry and the screening and classification of powder or granular materials.

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.

Structure and Composition

Straight-line vibrating screen mainly consists of screen box, deck base, screen mesh, vibrating motor, motor pedestal, damping spring and bracket etc.

1. Screen box: A number of different thickness steel plates are welded into the screen box. Screen box has a certain strength and stiffness, it is the main part of vibrating screen.
2. Deck base: Be made of pinewood or wood which is small deformation. It is mainly used to maintain a flat screen mesh to achieve normal screen.
3. Screen mesh: There are several kinds of screen meshes, such as low carbon steel, brass, bronze, stainless steel wire and so on.
4. Vibrating motor: (Use and repair method refers to instruction).
5. Motor pedestal: After installing vibrating motor, connecting screws must be tightened, three days before the new vibrating screen is used, connecting screws must be tightened repeatedly to avoid the accident caused by looseness.
6. Damping spring: To prevent vibration to the ground and to support all the weight of screen box at the same time. When it is installed, the spring must be perpendicular to the ground.
7. Bracket: It consists of four pillars and two U-steels, it supports screen box. When it is installed, the pillars must be perpendicular to the ground, and the U-steels under the two pillars should parallel to each other.

Our company has perfect after sale service system and adequate supply of spare parts. We can provide life-long technical service to users. The corresponding engineering and technical experts will provide you with quality service on both the process design, equipment installation and replacement of wearing parts.



Working 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.

Technical Data

型号 Model	筛面 Screen Surface		给料粒度 Max Feeding Size(mm)	处理能力 Capacity (t/h)	电机功率 Motor Power (kw)	重量 Weight (kg)	
	面积 Deck Size(m ²)	筛孔尺寸 Mesh(mm)					筛网结构 Structural
ZK1022	2.25	0.25-50	<250	4.5-90	3×2	2215	
ZK1230	3.6	0.25-50	<250	7.2-144	4×2	2693	
ZK1237	4.5	0.25-50	<250	9.0-180	5.5×2	3118	
ZK1437	5.25	0.25-50	<250	12.0-250	5.5×2	3210	
ZK1445	6.3	0.25-50	<250	12.6-252	7.5×2	4040	
ZK1637	6	0.25-50	<250	12.0-240	5.5×2	3552	
ZK1645	7.32	0.25-50	<250	14.4-280	7.5×2	4572	
ZK1837	6.75	0.25-50	<250	14.4-270	11×2	4995	
ZK1845	8.1	0.25-50	<250	16.2-324	11×2	5436	
ZK1852	9.45	0.25-50	<250	18.9-378	11×2	5900	
ZK2045	9	0.25-50	<250	18.2-324	11×2	5969	
ZK2052	10.5	0.25-50	<250	21.0-420	11×2	6472	
ZK2060	12	0.25-50	<250	24.0-480	15×2	7558	
ZK2445	10.8	0.25-50	<250	21.6-432	15×2	7439	
ZK2452	12.6	0.25-50	<250	25.2-504	15×2	8216	
ZK2460	14.4	0.25-50	<250	28.8-576	15×2	9235	
ZK3045	13.5	0.25-50	<250	27.0-540	15×2	9859	
ZK3052	15.75	0.25-50	<250	31.4-628	22×2	9958	
ZK3060	18	0.25-50	<250	17.5-525	22×2	11062	
ZK3645	16.2	0.25-50	<250	37.8-756	22×2	12289	
ZK3652	18.9	0.25-50	<250	43.2-846	22×2	13409	
ZK3660	21.6	0.25-50	<250	43.2-846	22×2	14390	
ZK3675	27	0.25-50	编织、条缝、冲压、橡胶、聚氨酯筛网 Punched Polyurethane-Stripped and Seamed	<250	54.0-1080	30×2	17100
22K1022	2.25	0.25-50	<250	4.5-90	4×2	3018	
22K1230	3.6	0.25-50	<250	7.2-144	5.5×2	3740	
22K1237	4.5	0.25-50	<250	9.0-180	7.5×2	4460	
22K1437	5.25	0.25-50	<250	12.0-250	7.5×2	5042	
22K1445	6.3	0.25-50	<250	12.6-252	15×2	6883	
22K1637	6	0.25-50	<250	12.0-240	15×2	6919	
22K1645	7.32	0.25-50	<250	14.4-280	15×2	8654	
22K1837	6.75	0.25-50	<250	14.4-270	15×2	7951	
22K1845	8.1	0.25-50	<250	16.2-324	15×2	8116	
22K1852	9.45	0.25-50	<250	18.9-378	15×2	9061	
22K2045	9	0.25-50	<250	16.2-324	15×2	9133	
22K2052	10.5	0.25-50	<250	21.0-420	22×2	10128	
22K2060	12	0.25-50	<250	24.0-480	22×2	10875	
22K2445	10.8	0.25-50	<250	21.6-432	22×2	11008	
22K2452	12.6	0.25-50	<250	25.2-504	22×2	12757	
22K2460	14.4	0.25-50	<250	28.8-576	22×2	13560	
22K3045	13.5	0.25-50	<250	27.0-540	30×2	15472	
22K3052	15.75	0.25-50	<250	31.4-628	37×2	16942	
22K3060	18	0.25-50	<250	17.5-525	37×2	18253	
22K3645	16.2	0.25-50	<250	37.8-756	45×2	21042	
22K3652	18.9	0.25-50	<250	43.2-846	45×2	24040	
22K3660	21.6	0.25-50	<250	43.2-846	45×2	25400	

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