

vibrating screen overview:

The 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

vibrating screen is suitable for:

SBM vibrating screen is widely used for grading and screening materials in the following fields: minerals, quarry, building materials, water conservancy and hydropower, transportation, chemical industry, smelting and so on.

Benefits and features of vibrating screen :

- 1) Simple and dependable Eccentric type system.
- 2) High screening capacity.
- 3) High durability.
- 4) No transmission of screen panels.
- 5) Ready changing of screen plates.
- 6) Rigid and vibrating resistance screen body.

vibrating screen operating principle

Vibrating screen works on circular motion. The vibrating screen is mainly used in coal dressing, metallurgy, mine, power station, water conservancy project, building industry, light industry and chemical industry etc It is efficient screening machines for the classification of bulk material such as coal, minerals, coke etc There are 40 specifications for YK Series, of which the heavy duty type is for the classification of large size materials, while the Light duty type is for the middle and small size materials. Vibrating Screen moves round .It has multi-layers and is of high efficiency. The eccentric shaft vibration exciter and partial block help to adjust amplitude. The material drops down along the long line.

In screen grading, the material is separated mechanically on screen plates. Rolling bearings in vibrating screens are stressed by high, mostly shock-type loads. Moreover, the bearings, while rotating about their own axis, perform a circular, elliptical or linear vibrating motion. This results in high radial accelerations which additionally stress the bearings, and especially the cages, considerably. The operating speeds are usually very high. As a result, the bearing temperatures are up to 20 to 30 degrees Kelvin higher than in normal applications. In addition, considerable misalignments between the bearing locations and considerable shaft deflections have to be accommodated.

Specification of vibrating screen specification:

[vibrating screen technical data]								
Type	Screen Spec (mm)	Layers	Sieve Pore (mm)	Max. Feed Size (mm)	Capacity (t/h)	Power (KW)	Screen area (m2)	Weight Excluding Motor (t)

2YA1 237	1200×37 00	2	3-50	200	7.5-80	5.5	3.6	2.34
3YA1 237	1200×37 00	3	3-50	200	7.5-80	7.5	3.6	3.05
2YA1 548	1500×42 00	2	5-50	400	50-20 8	15	6.3	5.33
3YA1 548	1500×48 00	3	5-50	400	50-25 0	15	7.2	6.07
3YA1 848	1800×48 00	3	5-80	400	50-30 0	18. 5	8.64	6.93
3YA1 860	1800×60 00	3	5-80	400	50-35 0	22	10.8	7.70
3YA2 160	2100×60 00	3	5-100	400	100-5 00	30	12.6	9.24
2YA2 460	2400×60 00	2	5-150	400	150-7 00	30	14.4	12.35

vibrating screen images:

