

TES 系列三轴椭圆振动筛

TES Series Triaxial Elliptical Vibrating Screen

TES 系列三轴椭圆振动筛是消化、吸收国内外同类型先进振动筛技术而研制的具有国际水平的振动筛，因水平安装，占用现场空间小，而广泛运用于冶金、建材、交通等行业，是移动筛分站上最为理想的设备。

TES Series Triaxial Elliptical Vibrating Screen adopts advanced vibrating screen technology, reaches international level. It occupies small space for horizontal installation, which makes it widely apply to metallurgy, construction, transportation industries. It is the most ideal equipment for mobile screening plants.

特点及优势 Features and Benefits:

- ⊙ 处理能力大，筛分效率高；
 - ⊙ 筛机运行轨迹为椭圆形，运动平稳，功耗低；
 - ⊙ 双振幅（15-19mm）、振动方向角（30°-60°）、振动频率（645-875r/min）可调，调整方便、简捷；物料筛分顺畅，不易堵孔、堵料。
- ⊙ High capacity, high screening efficiency;
 - ⊙ Moving track of the screening machine is elliptical, movement is stable, with low power consumption;
 - ⊙ Double amplitude (15-19mm), vibration direction angle (30°-60°), vibration frequency (645-875r/min) is adjustable, adjustment is convenient; materials screening is smooth, not easy to be plugged, blocked.

TES 系列三轴椭圆筛的明显优势：

- 1.三轴驱动能使筛机产理想椭圆运动，它兼有圆振动筛和直线振动筛的优点，且椭圆轨迹、振幅可调，可根据实际物料状况选择振动轨迹，对难筛分的物料更具优势；
- 2.三轴驱动强迫同步激振，能使筛机获得稳定的工作状态，对要求处理量大的筛分尤其有利；
- 3.三轴驱动改善了筛框受力状态，减轻了单个轴承负荷，侧板受力均匀，减少了应力集中点，改善了筛框的受力条件，提高了筛机的可靠性和寿命，为筛机的大型化奠定了理论基础。
- 4.由于其水平安装，有效的降低了机组高度，能很好的满足大、中型移动式筛分机组的需要。
- 5.轴承稀油润滑，有效降低了轴承温度，提高了寿命；
- 6.同样的筛分面积，椭圆振动筛产量可提高 1.3 - 2 倍。

TES Series Triaxial Elliptical Vibrating Screen Advantages:

- 1.Three axes drive can make the screen machine produce ideal elliptical movement, it possesses advantages of circular vibrating screen and linear vibrating screen, and the elliptical track and amplitude is adjustable, the vibrating track can be selected according to actual material, it possesses advantages for dealing with material hard for screening;
- 2.Three axes drive compels synchronous vibration, which help the screen machine get stable working status, it is

advantageous for processing large capacity screening;

3.Three axes drive improves stress state of screen frame, alleviates load of single bearing, side plate has even force, decrease hard spot, improve stress conditions of screen frame, improve reliability and life of the screen machine, lay a theoretical foundation for upsizing of screen;

4.Horizontal installation effectively decreases height of machine set, which can perfectly meet requirements of large and middle size mobile screen set;

5.The bear shall be lubricated by thin oil, effectively decreases bear temperature, lengthens it's life;

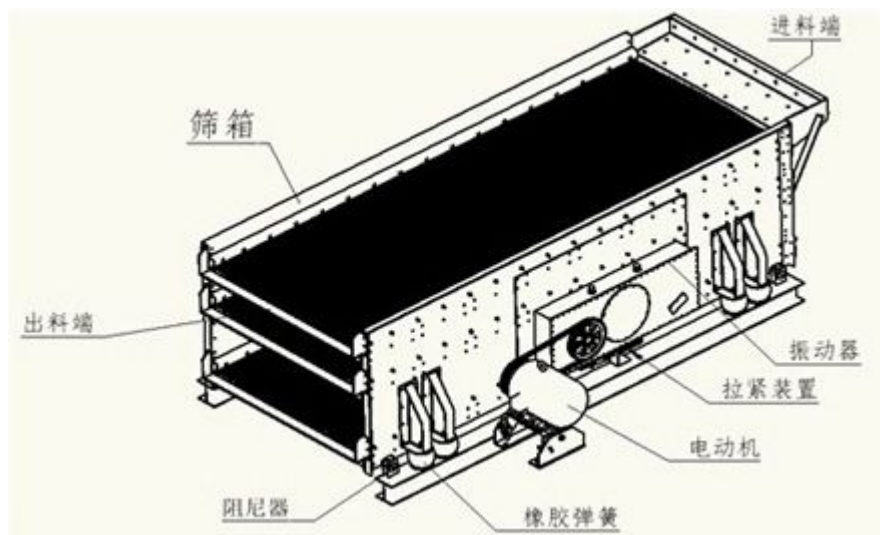
6.With the same screening area, capacity of elliptical vibrating screen can increase 1.3-2 times.

TES 系列三轴椭圆振动筛结构：

由电机、传动装置、激振器、筛箱、橡胶弹簧、底架、阻尼器等构成。

TES Series Triaxial Elliptical Vibrating Screen Structure:

composed of motor, rotation device, vibration exciter, screening box, rubble spring, under-bed, damper, etc.



TES 系列三轴椭圆筛工作原理:

动力从电机经三角皮带传递至激振器主动轴、齿轮振动器（速比为1），实现三根轴同速旋转，产生激振力，激振器与筛箱高强度螺栓联接，产生椭圆运动。物料在筛面上随筛机高速椭圆运动，迅速分层、透筛、向前，最终完成物料的分级。

TES Series Triaxial Elliptical Vibrating Screen Principle:

power is transferred through triangle belt to driven shaft of exciter, gear vibrator (speed ratio is 1), realize three axis rotate with the same speed, produce exciting force, be connected with bolt intensively, produce elliptical movement. The materials move speedily with the screening plant on the surface of the screen, quickly layered, through screen, forwarded, finally finish grading of materials.

技术参数 Technical Data

TES 系列三轴椭圆振动筛技术参数：

Technical Data of TES Series Triaxial Elliptical Vibrating screen：

型号	筛面规格 宽*长 (m*m)	筛面面积 m ²	筛面		最大进料 粒度 (mm)	双振幅 (mm)	振动频率 (r/min)	处理能力 (t/h)	电机功率 (kw)	重量 (t)
			层数	筛网						
2TES1852	1.8*5.2	9.45	2	编织	150	14-18	645-875	120 - 250	22	7.6
3TES1852	1.8*5.2	9.45	3	编织		14-18		120 - 250	30	8.7
2TES1860	1.8*6.0	10.8	2	编织		14-18		160-320	37	9.2
3TES1860	1.8*6.0	10.8	3	编织		14-18		160-320	37	11.2
2TES2060	2.0*6.0	12	2	编织		14-18		200-385	37	10.5
3TES2060	2.0*6.0	12	3	编织		14-18		200-385	45	12.3
2TES2460	2.4*6.0	14.4	2	编织		14-18		240-462	45	13.2
3TES2460	2.4*6.0	14.4	3	编织		14-18		240-462	45	15.1