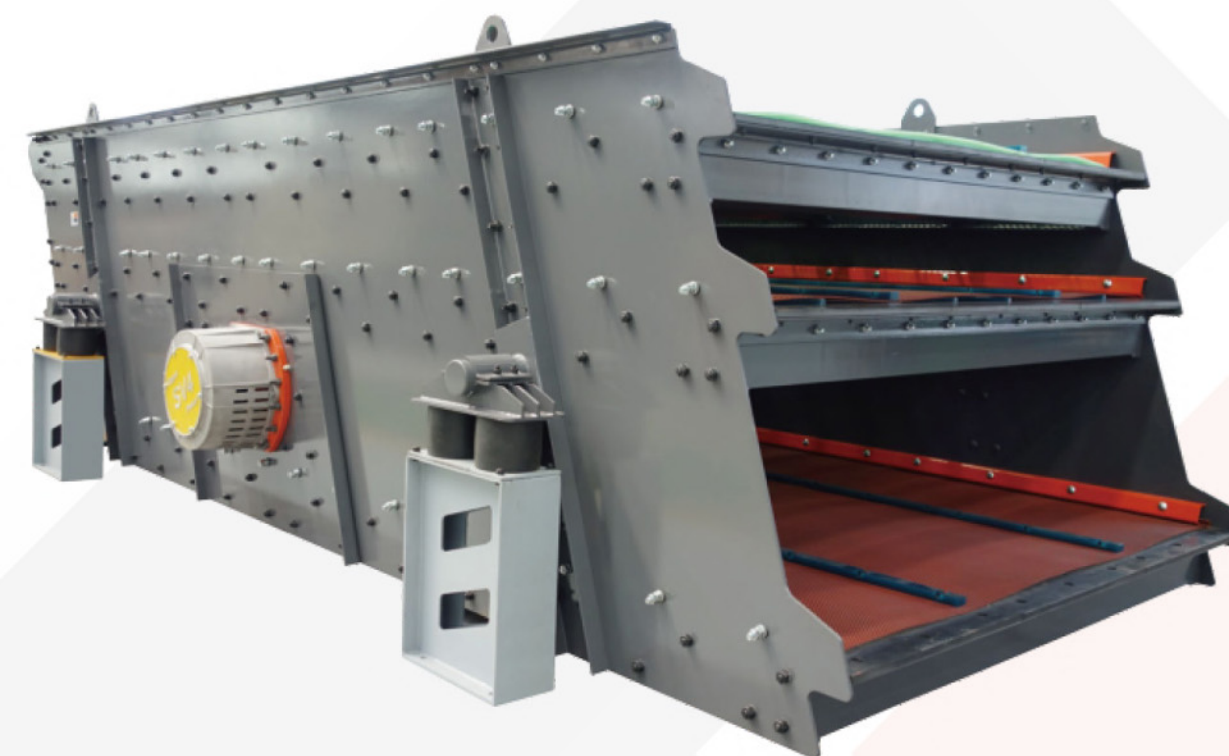




S5X VIBRATING SCREEN

S5X型筛分机



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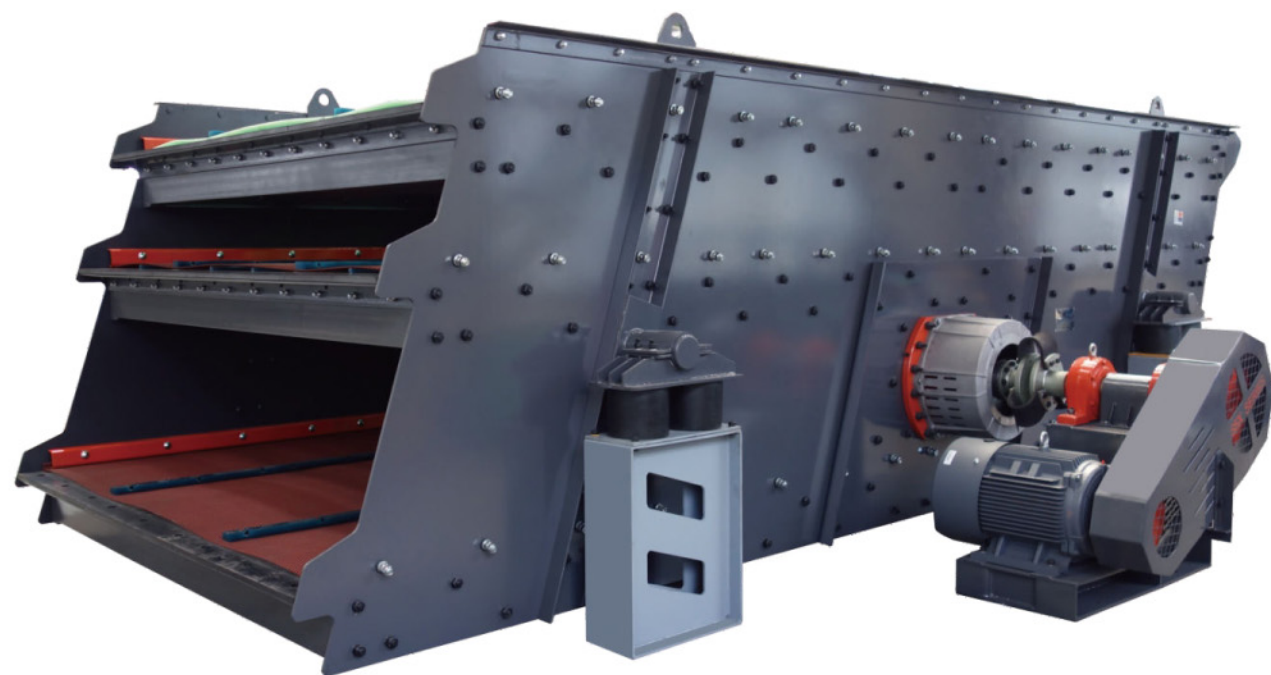
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S5X型筛分机

S5X VIBRATING SCREEN



产品介绍

Product Introduction

S5X型筛分机采用目前国际最为先进的设计理念，适用于重型、中型和精细筛分等各种筛分作业，这种倾斜圆振动筛是处理初级破碎和二级破碎后物料的理想筛分机，也可用于筛分最终成品物料。广泛应用于砂石骨料、金属矿山、煤炭、化工、再生资源利用等行业，具有高效、节能、环保等特点。

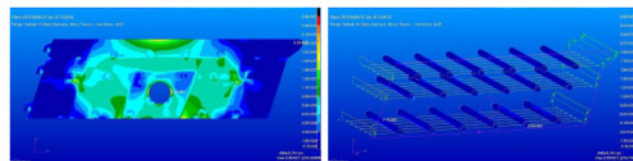
S5X vibrating screen, taking the most advanced international design, can apply to various screening tasks from heavy-duty, medium-duty to fine. This peculiar inclined circular vibrating screen is the ideal equipment not limited to processing products after primary and secondary crushing, but also to the final products. It is vastly occupied in aggregates making, metal ores processing, coal, chemical industry, renewable resource utilization and many other fields, featuring its high efficiency, energy saving, environmental friendliness, etc.

工艺—精雕细琢

Sophisticated Techniques

1. 筛箱采用有限元动态分析，确保强度和重量均衡，疲劳应力控制在安全范围内。

The design of the screen box adopts finite element analysis (FEA), to ensure a balanced strength and weight distribution that results in the fatigue stress controlled within the safe range.



2. 侧板采用激光全自动切割，保障了设备安装的精度。

The side plate adopts CNC (Computerized Numerical Control) laser cutting, which guarantees the precision of the installation.



3. 侧板采用整体折弯件，无任何形式的焊点，避免焊接应力造成的开裂。

The side plate is an integral bending steel plate free from any welding spot that eliminates the risk of tearing incurred by the welding force.



4. 筛箱结构件全部采用钢结构用扭剪型高强度螺栓连接（抗拉应力为900MPa），比用环槽铆钉（抗拉应力为300MPa）连接强度高、易更换，同时避免了因铆接不当而将连接螺栓孔挤出微裂纹的现象。

The screening box components are connected with the steel-structured torsional shear-type high-strength bolts (tensile stress=900MPa), which can generate higher connection strength than the ring-grooved rivets (tensile stress=300MPa) while saving more time for servicing. Moreover, it simultaneously prevents the bolt holes from tiny cracks caused by improper riveting.



技术—匠心独具

Innovated Technologies

SV超能激振器

Superb SV Vibrator



为使筛机达到更高性能、满足更广泛的应用条件，S5X全系列振动筛标配SV超能激振器。SV1-SV4四种规格激振器通过调整配重块的数量可满足各种规格振动筛不同的激振力要求，零部件的互换性、通用性、标准化和模块化程度非常高。

To improve the performance of the vibrating screen and its ability to adopt to various and complicated environments, the whole series of S5X are equipped with superb SV vibrators, from SV1 to SV4. By adjusting the quantity of the balancing weights, the SV vibrator will generate various exciting forces to fulfill the vibration requirements for different screen models. Moreover, great attention has been paid to the universality, standardization and modularity of its components that will result in an end-user-friendly maintenance.

1. 更便捷的整体拆装设计

设计非常紧凑，这种浓缩设计使得SV激振器不仅拥有巨大的激振力，同时可以整体安装于侧板内孔中，克除了更换单个轴承的麻烦，整体拆装更换只需约一小时，更换维护非常便捷。

Convenient Integral Assembly and Dis-assembly

Thanks to its compact structure, the whole SV Vibrator can be installed into the inner hole of the side plate so that it can generate marvelous exciting force, while avoiding the trouble caused by replacing a single set of bearing for maintenance. It will just call for one hour to finalize the assembly or dis-assembly, which is very fast and easy.

2. 更长的轴承使用寿命

相比轴偏心式双轴承设计，4套轴承能提供更高的承载和更长的使用寿命，使偏心块产生的激振力通过侧板中心，侧板的受力状态更理想。SV标配铝合金外罩，轴承的散热更为理想。

Extended Bearing Service Life

Compared with the eccentric shaft type screen with double bearing design, S5X screen with four sets of bearing is endowed with higher load capacity and longer service life. Vibration force produced by the eccentric block passes through the center of side plate to distribute the stress to side plate more evenly. Aluminum alloy cover as the standard configuration for SV Vibrator, makes better heat dissipation for the bearings.



3. 更大的振动强度

SV超能激振器的振动强度设计达到国际先进水平，使得筛机的通过量大、筛分效率高、处理能力强。S5X系列振动筛的振动强度可达到3.2-4.2G。

Bigger Vibration Strength

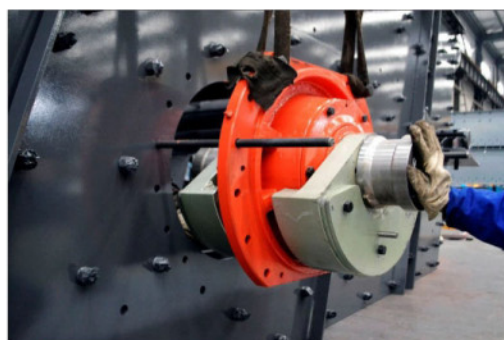
The globally advanced vibration strength and high G-force assure great throughput, easy separation and high efficiency. The S5X screen can reach 3.2-4.2G.

4. 方便的振幅调节

可以通过增减标准配重块的数量，方便调整筛机振幅。

Convenient Amplitude Adjustment

Screen amplitude is conveniently adjusted by increasing or decreasing the quantity of standard counter weight.



5. 可靠的脂润滑系统

轴承采用油脂润滑，特殊的迷宫设计，简单可靠，无稀油泄露的风险。还可选配自动注脂装置，根据现场工况制定合适的润滑计划，满足更高的应用要求。

Reliable Grease Lubrication System

All the bearings are lubricated by grease with special labyrinth seals which are workable to avoid leakage. An automatic lubrication appliance is optional for some operation requirements according to customer demand.

6. 优质的供货服务

SV激振器可以在1小时左右快速安装到激振器的位置中。因此，建议您随产品附加购买一套SV激振器作为备件，这样可以预防故障停机造成的停产损失。我公司仓库备有大量的轴承座和轴承现货，可以保证快速交货、缩短停机时间。

Excellent Spares Supply

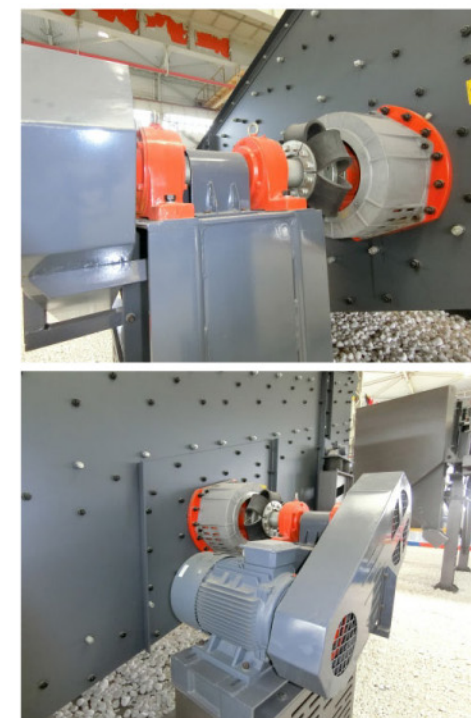
The SV vibrator can be easily installed within 1 hour. One additional set of SV vibrator is advised to order together with the vibrating screen as the spare, which will reduce the loss incurred by the downtime. We have large quantity of bearings and seats in stock to ensure a fast delivery and shortened downtime.

稳定的挠性传动

Stabilized Flexible Transmission

驱动电机与激振器联接采用挠性传动，使力矩的传动没有轴向力的传递，从而使筛机的运行更加稳定。电机通过V带驱动传动轴承座，然后挠性驱动筛机，相比于电机直接驱动或通过V带驱动筛机，挠性传动更能保护电机不受蛮力冲击，同时V带的寿命也更长。也可以通过更换皮带轮来方便调节振动筛转速以满足不同块度物料的筛分。

Drive motor and vibrator coupling adopts flexible transmission, so that the vibrating screen can operate more stably with no axial force of torque transmission. The motor drives the transmission bearing seat through the V-belt, thereby flexibly drives the vibrating screen, which can more reliably protect the motor against brute force impact and simultaneously make the V belt enjoy longer service life, compared with the conventional direct motor drive or driving through the V belt. Moreover, the speed of the vibrating screen can also be conveniently adjusted by replacing the pulley to satisfy the requirements for screening different block size materials.



维护一事半功倍

Easy Maintenance

模块化的设计使得用户的备件种类减少、通用化程度更高，同时维护点也非常少。

Modular design to reduce the types of spare parts, with higher generalization degree and less maintenance points.

1. 1.5m长的筛网张紧板通用于所有规格筛机。

1.5m modular side tension clamp commonly can be used for all model screen.

2. 750mm长的聚氨酯筛面压条通用于所有规格筛机，筛网支撑筋之间不存在二次振动。

750mm polyurethane mesh depression bars are commonly used for all model screen, to prevent the second vibration between the screen mesh and brace.



3. 模块化的梁框架，纵向构件强度分布更合理。

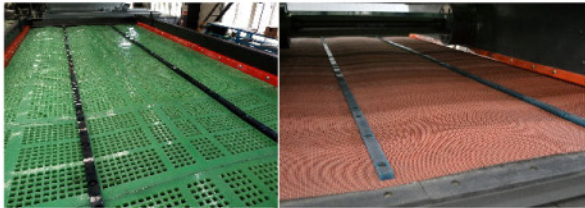
The modular beam frame can make the longitudinal strength be distributed more reasonably.

4. 标准化橡胶排料衬板。

Standard rubber plate for discharging liners.

5. 模块化筛网，聚氨酯与编织筛网安装方式通用，可以及时准确为客户提供筛网备件。

The screen mesh is modular and has two materials for option, polyurethane and metal. These two share same installation method, which enable us to provide spare parts to clients timely and accurately.



6. 大层距设计，更大的维护空间使得更换筛网更安全、便捷。

The large headroom between decks is much convenient to maintenance or screen mesh replacement.

7. 标配5mm横梁防护包板，保护横梁免受物料冲刷磨蚀，延长筛机使用寿命。

Standard 5mm thickness beam protection board will protect the beams from material erosion abrasion and prolong the screen service life.

配置一不拘一格
Diverse Configuration

标配装置
Standard Configuration

1. 400mm长的入料斗及橡胶衬板

400mm feed chute and rubber liners
2. 5mm的横梁护板

5mm thickness beam protection board
3. 国产一类振动筛专用轴承

China famous bearing, special for screen use
4. 国产品牌高效节能电机

China energy-saving motors
5. 金属编织筛网

Wire screen mesh

选配置装置
Optional Configuration

1. 进口品牌电机ABB/WEG或西门子

ABB/WEG/SIEMENS motor
2. SKF/FAG振动筛专用轴承

SKF/FAG customized bearing for vibrating screen
3. 防尘罩

Dust-proof cover
4. 冲水装置

Water spray device
5. 自动润滑装置

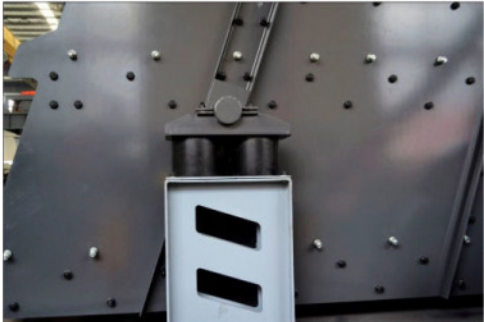
Automatic lubrication device
6. 聚氨酯筛网或橡胶筛网

Polyurethane screen mesh or rubber screen mesh

环境和谐发展
Environmental Friendliness

1. 橡胶弹簧支撑，噪音低。振动筛支撑采用橡胶弹簧，与金属弹簧相比，具有使用寿命长、耐腐蚀、运行平稳、噪音低、对地基冲击小等优点。

Rubber spring support-Low noise level. S5X screen is supported by rubber springs, which features a longer service life, high corrosion resistance level, smooth operation, low noise, small impact to the foundation and other characteristics compared with metal springs.



2. 脂润滑方式，不漏油，现场干净。

Grease lubrication-clean site free from leakage pollution.

3. 全密封设计，高环保。振动筛设计采用高环保设计理念，可以根据用户需求配置后端防尘密封和顶部防尘罩等，确保设备满足高环保要求的使用。

Dust sealing System-excellent in environmental protection. The vibrating screens are designed based on the concept of excellent environmental protection, the backend dust sealing and top dust cover, etc. It can be configured according to users' requirements to ensure that the equipment could meet the high environmental requirements during operation.

型号 Model	筛面规格 Size W×L (mm)	筛面层数 NO.of decks	倾角 (°) Incline	振动次数 Oper.Speed (RPM)	双振幅 Stroke (mm)	功率 Power (kW)	处理能力 Capacity (t/h)	筛孔尺寸 Mesh Size (mm)
S5X1230-2	1200×3000	2	18(18-25)	800-900	7-12	11	25-200	2-70
S5X1545-2	1500×4500	2	18(18-25)	80-900	7-12	11	45-380	2-70
S5X1545-3		3	18(18-25)	800-900	7-12	15	45-380	2-70
S5X1845-2	1800×4500	2	18(18-25)	800-900	7-12	15	60-450	2-70
S5X1845-3		3	18(18-25)	800-900	7-12	22	60-450	2-70
S5X1860-2	1800×6000	2	18(18-25)	800-900	7-10	15	75-600	2-70
S5X1860-3		3	18(18-25)	800-900	7-12	30	75-600	2-70
S5X1860-4		4	18(18-25)	800-900	7-12	37	75-600	2-70
S5X2160-2	2100×6000	2	18(18-25)	800-900	7-12	22	85-700	2-70
S5X2160-3		3	18(18-25)	800-900	7-12	30	85-700	2-70
S5X2160-4		4	18(18-25)	800-900	7-11	37	85-700	2-70
S5X2460-2	2400×6000	2	18(18-25)	800-900	7-12	22	100-800	2-70
S5X2460-3		3	18(18-25)	800-900	7-11	30	100-800	2-70
S5X2460-4		4	18(18-25)	800-900	7-10	37	100-800	2-70
S5X2760-2	2700×6000	2	18(18-25)	800-900	7-12	30	120-900	2-70
S5X2760-3		3	18(18-25)	800-900	7-11	37	120-900	2-70

注：标准型筛机无单层规格，如需单层，可以双层当单层用。
Note: Screen with single-layer mesh is not standard design, if require it, please choose double-layers model.