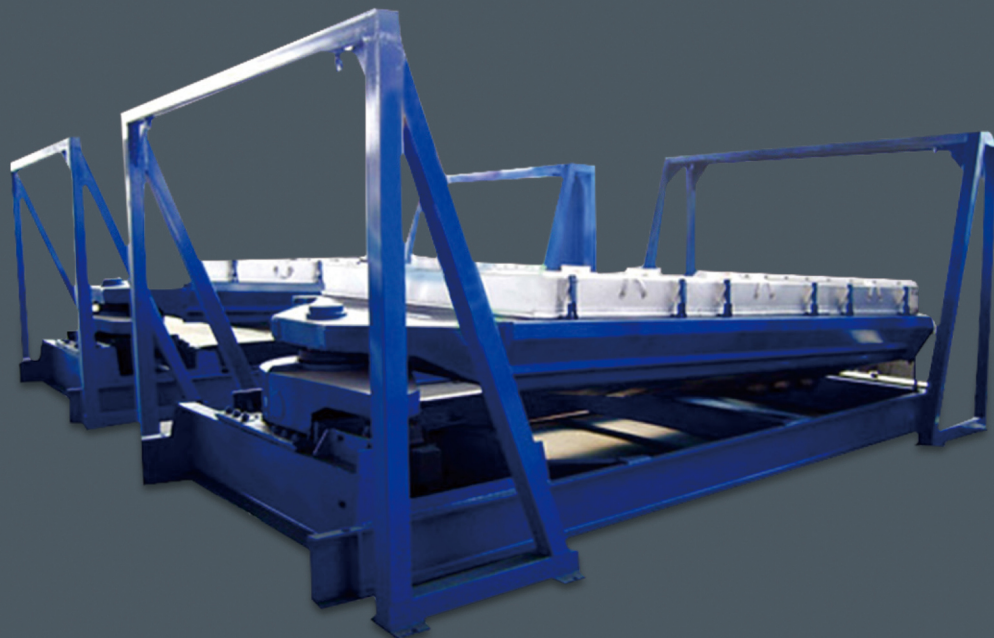


» ZYFY Square Vibrating Sieve



Description

This series machine is efficient screening machine which can meet the large capacity, high-precision requirements. It is widely used in chemical and metallurgical, mining, feed, food and other industries. Especially for heavy alkali, salt, resin, fertilizer, urea granule size, feed, reduced iron powder, zirconium oxide, ceramic, barite, etc.

Working Principle

The unique gyratory motion imparts a combination of actions to the material as it passes along the screen surface. It begins with a horizontal circular motion at the feed end, gradually diminishing along the length of the machine to an elliptical path, and finally to an approximate straight-line motion at the discharge end. There is no vertical component to this motion thus keeping the material in constant contact with the screen surface.



Application

As one of our featured products, we have supplied it to many factories and companies for many years and have enjoyed a good reputation because of its superior quality and long service life.

About the separation equipment, we usually call it plant rotary screen because of its moving track is gyratory along a circular on one plane. It has been successfully applied to screening granular urea in fertilizer plant. But it is also used to screen other thousands of different materials and is suitable for many industries and application as below:

Chemical, carbon product, wood chips, grain cleaning, mineral, fertilizer, steel shot, clay, animal feed etc.

Material Motion Feature

1. Circular motion at feed end

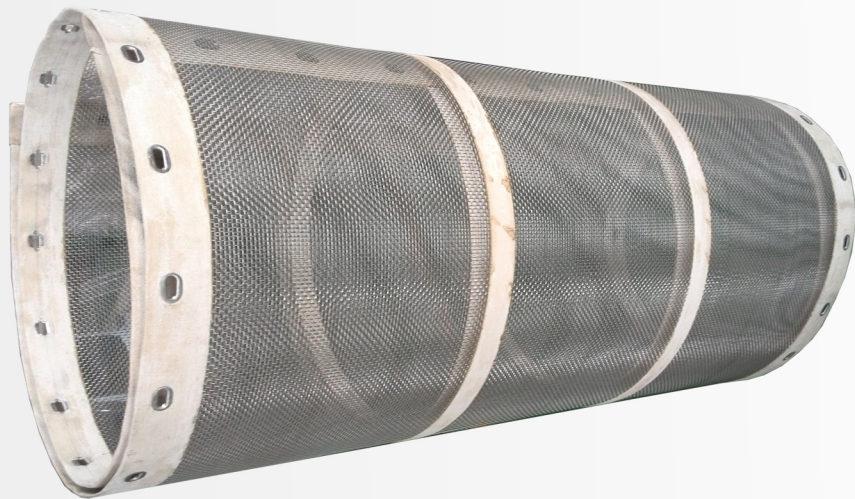
The gyratory motion at the feed end of the machine immediately spreads the material across the full width of the screen surface to maximize screen utilization even though the feed is from a single point. At the same time, this motion stratifies the material, causing the fines to sink down against the screen surface. The particles that are appreciably smaller than the openings quickly pass through at this part of the screen.

2. Changing to elliptical motion at center

As the circular motion diminishes into an elliptical path, the gentle near-horizontal motion causes the fine particles closer in size to the screen mesh the near-size particles to fall through the mesh openings.

3. Straight-line motion at discharge end

The nearly linear reciprocating motion at the discharge end of the Gyratory Screener removes those particles closest in size to the mesh openings while gently conveying the oversize material off the screen.



Feature

1. **Good sealing**, balance weight can provide slight vibration and low noise, environmental protection.
2. Combination of Circle, elliptic, linear motion, high screening effect. **Suitable for various material screening**
3. Equipped with **automatic tension** and **automatic cleaning sieve net installation system** which can make the screen mesh long service life and high efficiency, change the screen mesh conveniently.
4. **Reinforced base** ensure the equipment operation machine more balance, can also according to the actual site conditions the perching hook to meet customer's reform needs
5. **Improve wire rope hanging structure**, to avoid steel wire wear
6. **Two or three decks screen** frame design can be choosed.
7. **Used for powder or granule feed screening and grade**, can also be used for voidance of raw materials in feed factory, the grading of intermediate products after second smashing.



Technical parameters

Layer	Model	Size of screen surface Width×Length(mm)	Screen box stroke (mm)	Motor		A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
				Power (kw)	Rpm					
1	ZYFY1000×1400	1000×1400	63.5	1.5	960	2731	962	1168	1200	715
	ZYFY1000×2100	1000×2100	63.5	1.5	960	3285	962	1156	1200	980
	ZYFY1000×3000	1000×3000	63.5	1.5	960	4484	1035	1194	1251	1200
	ZYFY1500×2100	1500×2100	63.5	1.5	960	3460	1003	1708	1759	1380
	ZYFY1500×3000	1500×3000	76	2.2	960	4232	1362	1778	1892	1340
	ZYFY1500×3600	1500×3600	76	5.5	960	5098	1352	1956	2048	2410
	ZYFY1200×3600	1200×3600	76	5.5	960	5263	1327	2464	2556	2020
2	2ZYFY1000×2100	1000×2100	63.5	1.5	960	3473	1121	1308	1378	1400
	2ZYFY1000×3000	1000×3000	76	4	960	4575	1317	1270	1546	1840
	2ZYFY1500×2100	1500×2100	63.5	4	960	3728	1330	1781	1946	1710
	2ZYFY1800×3600	1800×3600	76	7.5	960	5305	1500	2256	2459	3880
	2ZYFY1500×3000	1500×3000	76	7.5	960	4765	1397	1956	2159	2780
	2ZYFY1500×3600	1500×3600	76	7.5	960	5365	1368	2032	2159	3180
3	3ZYFY1000×2100	1000×2100	63.5	5.5	960	4854	1422	1435	1549	2150
	3ZYFY1500×3000	1500×3000	76	5.5	960	4765	1391	1956	2159	3200
	3ZYFY1800×3600	1800×3600	76	7.5	960	5200	1500	2400	2500	4170
	3ZYFY2000×5000	2000×5000	92	11	960	5400	2000	2750	2810	5500