

WFBS-D

- WFBS-D Distribution screen is mainly used for iron ore beneficiation, tungsten ore beneficiation, tin ore beneficiation, glass raw material quartz sand beneficiation, kaolin beneficiation etc. It adopts one vibration source to drive the multi-layer screen box to vibrate together, each layer of screen surface to complete the feeding and screening operations independently, each layer of screen surface under the screen and the screen are collected and discharged respectively.
- Liner material: parts contacted material is covered with rubber or spray polyurethane.
- Number of lavers: 3-5 lavers



■Working principle

The distribution screen WFBS-D is driven by two Linear vibration source in opposite directions to make the screen frame vibration. The screen deck is arranged in staggered layers up and down, and each screen deck has an independent feeders. The slurry is divided into multiple channels by the ore separator, and evenly feed to the screen deck by multiple feeders. The slurry is separated by high-frequency vibration on the screen deck.

■Technical characteristics

1. The laminated design increases the screening area;
2. The acceleration generated by high-frequency vibration increases the probability of slurry contact with the screen surface and sifting through, speeding up the screening speed;
3. Reduce and prevent screen clogging, improve screening efficiency.

■Application



Kaolin mining industry

The WFBS-D distribution screen is used to remove impurities. Kaolin ore is often mixed with quartz, feldspar and other mineral particles and some coarse particles impurities. The distribution screen D can be screened according to the particle size, and the impurities of the larger particles are screened out, so that the particle size of kaolin is more uniform, and the is effectively improved.



Metallic Mining Industry

The WFBS-D distribution screen is used for the dehydration and desliming of iron concentrate. It can efficiently screen the fine-grained slurry in the iron concentrate, so that the liquid passes through the screen, while the solid iron concentrate remains on the screen surface, thus achieving the purpose of dehydration and desilting, which helps to improve the grade of iron concentrate and reduce impurities. Improve the quality of iron concentrate.



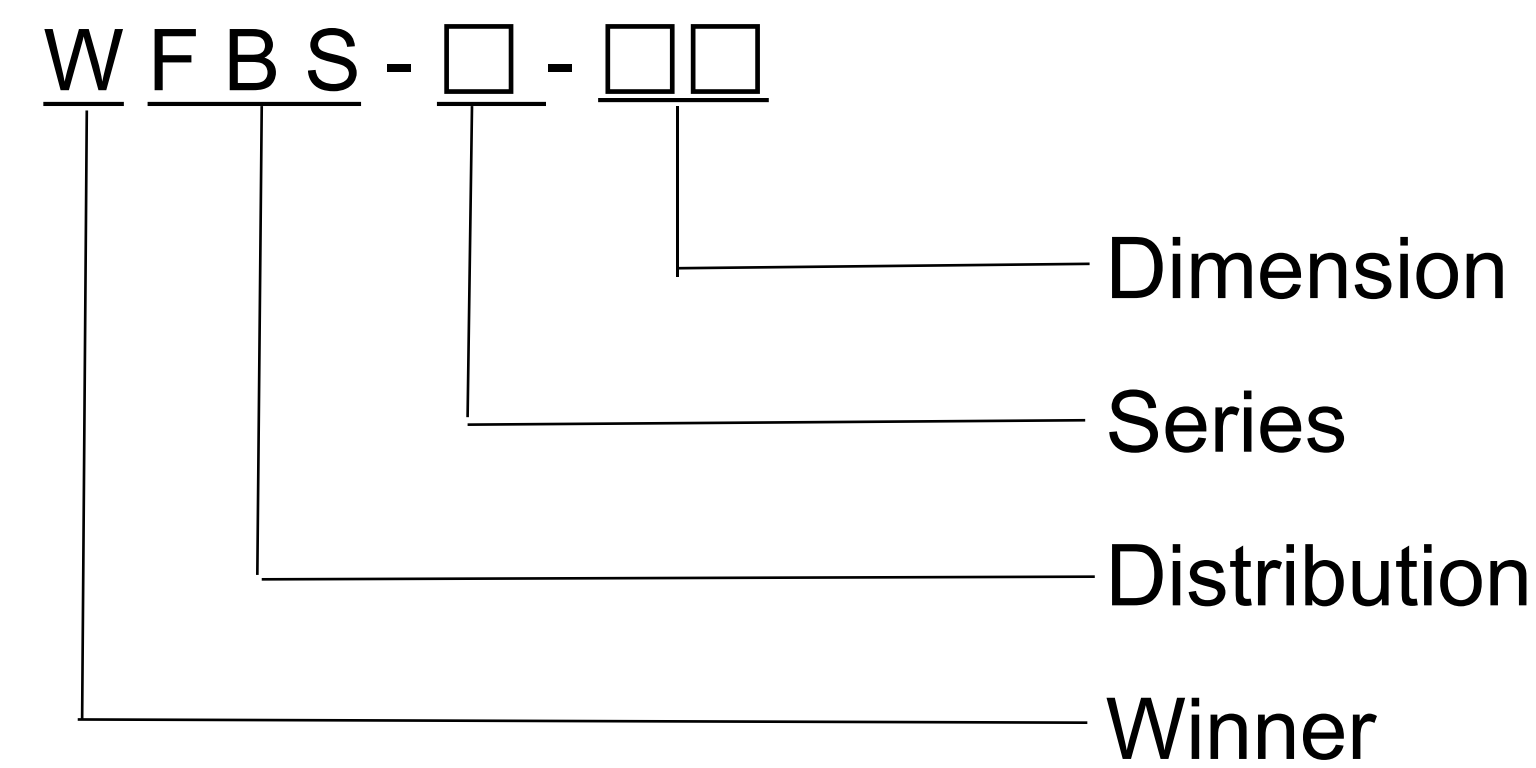
Non-metallic mining industry

The WFBS-D distribution screen is used to remove impurities. Quartz sand ore may contain impurities such as soil, mica, feldspar, etc. It can screen out impurities whose particle size does not meet the requirements through the mesh number of the screen to ensure the purity of the quartz sand, so that the produced quartz sand can meet the high purity requirements of different industrial fields, such as the quartz sand used for glass manufact

■WFBS-D Technical data sheet

Item	WFBS-D-1014	WFBS-D-1021	WFBS-D-1214	WFBS-D-1416
Screen area (Single m²)	1.4	2.1	1.68	2.24
Inclination Angle °	15-20	15-20	15-20	15-20
Frequency r/min	1450	1450	1450	1450
Layer Number N	3-5	3-5	3-5	3-5
Double Amplitude mm	0-2.5	0-2.5	0-2.5	0-2.5
Power kW	2*1.8	2*1.8	2*1.8	2*3.7

Model description



Application



WFBS-X Technical Datasheet

Name	序号	Series	Description
Distribution Screen Series	1	WFBS	Distribution vibrating screen
	2	WFBS-X	Circular, three-dimensional motion vibrating screen
	3	WFBS-P	Round, vertical blanking
	4	WFBS-Y	Circular swiing motion vibrating screen
	5	WFBS-Z	Linear light vibrating screen
	6	WFBS-F	Square type, circular movement vibrating screen
	7	WFBS-H	Square, gradient trajectory movement vibrating screen
	8	WFBS-D	Multi-layered, high-frequency stack sizer