



Technical resources

3D rotary vibrating screen

Model: ZS

<https://www.tencanballmills.com/en/products/sieving-series/3d-rotary-vibrating-screen.html>

09.10.2026 / TENCAN

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3D rotary vibrating screen uses vertical motor with eccentric weights for three-dimensional motion. Adjustable phase angle controls particle trajectory. Ideal for fine screening in chemical, food, and pharmaceutical industries.

Technical specifications

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Effective diameter	560~1750mm
Sieve specification	0.02~50mm
Sieving efficiency	85-95%

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



The three-dimensional rotary vibrating screen uses an upright motor as the excitation source. Eccentric weights are installed on the upper, lower and both ends of the motor to convert the rotational motion of the motor into horizontal, vertical and tilted three-dimensional motion, and then transfer this motion to the screen surface. Adjusting the phase angles of the upper and lower ends can change the movement trajectory of the material on the screen surface.



Technical parameters

model	Effective diameter (mm)	Effective screening area (㎡)	Number of screening layers	Maximum material size (mm)	Screen specifications (mm)	Vibration frequency (r/min)	Double amplitude (mm)	Vibration force (N)	Motor power (Kw)	Screening efficiency%	Production (flour) kg/h
ZS-600	560	0.23	1-5	50	0.02~50	1440	2~3	5000	0.55	85-95	85-95

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ZS-800	760	0.44	1-5	50	0.02~50	1440	2~3	8000	0.75	85-95	85-95
ZS-1000	930	0.68	1-5	50	0.02~50	1440	2~3	10000	0.75	85-95	85-95
ZS-1200	1130	1	1-5	50	0.02~50	1440	2~3	15000	1.1	85-95	85-95
ZS-1500	1430	1.60	1-5	50	0.02~50	1440	2~3	30000	2.2	85-95	85-95
ZS-1800	1750	2.4	1-5	50	0.02~50	1440	2~3	50000	2.2	85-95	85-95

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Before operation, review the selected model's instructions and the material requirements.