

Screening Machinery



河南省平原矿山机械有限公司

HENAN PINGYUAN MINING MACHINERY CO., LTD



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Working Principle

Vibrating Screen are used to separate materials into various sizes for further processing. Or for end use. Depending on our need. The material is separated by passing it through a vibrating “screen box” which has a number of different sized screens, or meshes, which the material falls through like a sieve, the material falls onto attached conveyors which stock pile the end products. The end products can then be used in the building & construction industries and other industries.

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Application and Features:

- The movement of LZS vibrating screen is linear. This series vibrating screen is used for cold sinter classification in temperature below 150°C.
- With vibrator shift self-synchronous construction and vibration reduction system of secondary vibration isolation frame and rubber composite spring .
- Supply cast-steel deck and Polyurethane deck for customer to choose.



LZS



SLZS

Technical parameter:

Model	Deck		Material Size(mm)	Capacity (t/h)	Frequency (r.p.m)	Double amplitude (mm) model	Motor	
	Area (m ²)	Dimension of opening (mm)					Model	Power (KW)
LZS2585	21.25	20×80	≅ 150	400	740	9~10	Y225M--8	22×2
LZS2585	21.25	10×80	≅ 150	300	740	9~10	Y225M--8	22×2
LZS2585	21.75	10×80	≅ 150	300	740	9~10	Y225M--8	22×2
LZS2585	21.75	6×60	≅ 150	200	740	9~10	Y225M--8	22×2
LZS3090	27	10×52	≅ 100	410	740	9~10	Y225M--8	22×2
LZS3090	27	10×52	≅ 100	265	740	9~10	Y225M--8	22×2
LZS2060	12	5×61	≅ 120	120	730	9~10	Y200L--8	15×2
LZS2575	18.75	Front 10 Posterior 20	≅ 50	220	730	9~10	Y225S--8	18.5×2
SLZS 2.5×7.5	18.75	20×80	≅ 150	300	735	10	Y225M--8	22×2
SLZS 2.5×7.5	18.75	10×80	≅ 150	240	730	10	Y225M--8	22×2
SLZ 2.5×7.5	18.75	20×80	≅ 150	150	730	10	Y225M--8	22×2

Circular Vibrating Screen

Introduction and Application

Circular vibrating screen work on circular motion. The vibrating screens are mainly used in coal dressing, metallurgy, mine, power station, water conservancy project, building industry, light industry and chemical industry etc They are efficient screening machines for the classification of bulk material such as coal, minerals, coke etc There are 40 specifications for YA series, of which the heavy duty type is for the classification of large size materials, while the Light duty type is for the middle and small size materials

Circular Vibrating Screen Features:

- 1) Simple and dependable Eccentric type system.
- 2) High screening capacity.
- 3) High durability.
- 4) No transmission of screen panels.
- 5) Ready changing of screen plates.
- 6) Rigid and vibrating resistance screen body.



YA Vibrating screen

Technical Parameter

Model	Deck		Material Size(mm)	Capacity (t/h)	Frequency (r.p.m)	Double amplitude (mm)	Motor	
	Area (m ²)	Dimension of opening (mm)					Model	Power (KW)
YA1236	4.3	6—50	≅200	80—240	845	9.5	Y160M--4	11
2YA1236	4.3	6—50	≅200	80—240	845	9.5	Y160M--4	11
YA1530	4.5	6—50	≅200	80—240	845	9.5	Y160M--4	11
YA1536	5.4	6—50	≅200	100—350	845	9.5	Y160M--4	11
2YA1536	5.4	6—50	≅400	100—350	845	9.5	Y160L--4	15
YAH1536	5.4	30—150	≅400	160—650	755	9.5	Y160M--4	11
2YAH1536	5.4	30—200 6—50	≅400	160—650	755	11	Y160L--4	15
YA1542	6.5	6—50	≅200	110—385	845	9.5	Y160M--4	11
2YA1542	6.5	30—150	≅200	110—385	845	9.5	Y160L--4	15
YA1548	7.2	6—50	≅200	120—420	845	9.5	Y160L--4	15



YK Vibrating Screen

Model	Deck			Material Size(mm)	Capacity (t/h)	Frequency (r.p.m)	Double amplitude (mm)	Motor	
	Area (m ²)	Dimension of opening (mm)	structure					model	Power (KW)
YK1230	3.6	3~50	Woven Punched hole Rubber PVCA	≅ 200	233	970	6~10	Y160M-6	7.5
2YK1230	3.6	3~50		≅ 200	233	970	6~10	Y160L-6	11
YK1445	6.3	3~50		≅ 200	272	970	6~10	Y160L-6	11
2YK1445	6.3	3~50		≅ 200	272	970	6~10	Y200L1-6	18.5
YK1645	7.2	3~50		≅ 200	310	970	6~10	Y180L-6	15
2YK1645	7.2	3~50		≅ 200	310	970	6~10	Y200L1-6	18.5
YK1845	8.1	3~50		≅ 200	350	970	6~10	Y180L-6	15
2YK1845	8.1	6~100		≅ 400	542	740	12~14	Y225M-8	22
YK2045	9.0	3~50		≅ 200	388	970	6~10	Y180L-6	15
2YK2045	9.0	6~100		≅ 400	582	740	12~14	Y225M-8	22
YK2060	12	3~50		≅ 200	388	970	6~10	Y200L1-6	18.5
2YK2060	12	6~100		≅ 400	582	740	12~14	Y250M-8	30
YK2445	10.8	3~50		≅ 200	466	970	6~10	Y225S-8	18.5
2YK2445	10.8	6~100		≅ 400	700	740	12~14	Y225M-8	30
YK2460	14.4	6~100		≅ 400	700	740	12~14	Y225M-8	22
2YK2460	14.4	6~100		≅ 400	700	740	12~14	Y280S-8	37
YK3052	15.75	6~100		≅ 400	875	740	12~14	Y250M-8	30
2YK3052	15.75	6~100		≅ 400	875	740	12~14	Y280S-8	37
YK3060	18	6~100		≅ 400	875	740	12~14	Y250M	30
YK3652	18.9	6~100		≅ 400	1050	740	12~14	Y250M	30

Application

SZR vibrating screen moves on a linear trajectory. This series vibrating screen is used in sinter classification in temperature from 500°C to 1000°C..It's a main equipment in sintering plant.



SZR Vibrating Screen

Technical Parameter

Model Item \ Data	SZR1545 Upper vibrating type	SZR1850 Lower vibrating type	SZR2060 Upper vibrating type	SZR2575 Lower vibrating type	SZR3175 Upper vibrating type	SZR3175 Lower vibrating type
Screening area (m ²)	6.7	9	12	18.7	23	23
Dimension of opening(mm)	7×33	6×33	7×33	6×40	6×23	6×33
Double amplitude(mm)	7—9	7—9	7—9	7—9	7—9	7—9
Frequency (times per min)	735	740	740	735	740	730
Angle of vibrating direction	40°	35°	40°	40°	40°	40°
Materials size (mm)	≦80	≦80	≦80	≦80	≦80	≦80
Capacity (t/h)	80—120	120—150	150—220	200—350	250—450	250—450
Motor model	Y160L—8 2×7.5KW	Y180L—8 2×11KW	Y200L—8 2×15KW	Y255S—8 2×18.5KW	Y255M—8 2×22KW	Y250M—8 2×30KW

Application

TYL TYLS vibrating screens is a large screening equipment and has been popular with users through promotion and application in recent years. It has large processing capacity and higher screening efficiency, widely used to classify ores in metallurgy, mining and is the ideal equipment in large screening.

Principle

The trajectory of movement is ellipse, materials depth is almost equal on each segment of deck, so it is called elliptical isopach screen. This screening is good for materials to convey forward, layer and screen. So it has larger processing capacity and higher screening efficiency. When processing capacity and screening efficiency are the same, its smaller dimension can save investment and reduce space.



TYL



Parameter

Model	Specification of deck (mm*mm)	Amplitude(mm)		Frequency r/min	Capacity (t/h)	Power (KW)
		Long shaft	Short shaft			
TYLS3090	3000×9000	8~10	4~6	800	300~800	2×45
TYLS2575	2500×7500	8~10	4~6	800	200~500	2×30
TYL3075	3000×7500	8~10	4~6	850	300~600	2×30
TYLS2460	2400×6000	8~10	4~6	850	150~300	2×15
TYLS2060	2000×6000	8~10	4~6	850	150~200	2×15

Model

ZSM—pedestal installation screen with double shaft

DSM—hang installation screen with single shaft

Application

The ZSM series dewatering screen include sixteen kinds of specification and the DSM series dewatering screen include four kinds of specification .They are widely used in coal and ore selection ,sugar and salt manufacturing departments .Classifying dry and wet , dewatering , desliming on slender materials .

Features

Large capacity
High efficiency



Technical Parameter

Model	Deck		Material Size(mm)	Capacity (t/h)	Frequency (r.p.m)	Double amplitude (mm)	Motor	
	Area (m ²)	Dimension of opening (mm)					Model	Power (KW)
2DSM1256	7	Upper13—50 Below0.25—13	≅ 300	40—55	800	9	Y160M—4	11
DSM1555	8	Punched hole 10—50 Slot 0.5—13	≅ 300	30—50	800	9	Y160M—4	11
2DSM1555	8	Upper13—80 Below0.5—13	≅ 300	30—50	800	9	Y160M—4	11
DSM1855	10	Upper13—80 Below0.5—13	≅ 300	50—80	800	9	Y160M—4	11
2DSM1885	10	Upper13—80 Below0.5—13	≅ 300	50—80	800	9	Y160M—4	11
DSM2065	13	0.5—13	≅ 300	70—100	800	11	Y180M—4	18.5

Pedestal installation

Model	Deck		Material Size(mm)	Capacity (t/h)	Frequency (r.p.m)	Double amplitude (mm)	Motor	
	Area (m ²)	Dimension of opening (mm)					Model	Power (KW)
ZSM1542	6	0.25-13	≅ 300	75—100	800	9—10	Y160M—4	11
ZSM1552	8	13—50 0.25—13	≅ 300	30—60	800	10	Y160L—4	15
2ZSM1556	8	13—50 0.25—13	≅ 300	30—60	800	11	Y160L—4	15
ZSM1556B	8	13—50 0.25—13	≅ 300	30—60	800	11	Y132M—4	7.5×2
2ZSM1556B	8	13—50 0.25—13	≅ 300	30—60	800	11	Y132M—4	7.5×2
ZSM1756	9.5	13—50 0.25—13	≅ 300	50—80	800	10	Y160L—4	15
2ZSM1756	9.5	13—50 0.25—13	≅ 300	50—80	800	10	Y160L—4	15
ZSM1756B	9.5	13—50 0.25—13	≅ 300	50—80	800	10	Y132M—4	7.5×2
2ZSM1756B	9.5	13—50 0.25—13	≅ 300	50—80	800	10	Y132M—4	7.5×2
ZSM1856	10	13—50 0.25—13	≅ 300	50—80	800	11	Y160—4	11
ZSM2065	13	13—50 0.25—13	≅ 300	70—100	800	11	Y160—4	18.5
2ZSM2065	13	13—50 0.25—13	≅ 300	70—100	800	11	Y160—4	18.5
ZSM2065B	13	13—50 0.25—13	≅ 300	70—100	800	9	Y160—4	11×2
2ZSM2065B	13	13—50 0.25—13	≅ 300	70—100	800	11	Y160—4	11×2

Application :

XBZS series bar screen is a new type screen equipment , it is widely used in mining ,coal ,energy power ,metallurgy ,building materials ,fire-resistant and classifying large and small slender materials .

Features

The deck of bar screen should be inclined installed , the angle is during 20 degee to 35 degree When comparing with other same type has following difference :

- 1.small volume ,big inclined angle and screening capacity
- 2.light weight ,easy installation
- 3.low price and energy consume
- 4.simple construction and beautiful shape
- 5.the efficiency of the screen mesh is more over 20% than the general screen mesh
- 6.self-cleaning
- 7.specially using for secondary screening under the high furnace groove .

Technical parameter

With Motor

Model	Materials Size(mm)	Capacity (t/h)	Double amplitude(mm)	Frequency of vibration (Hz)	Area (m ²)
XBZS—0918	<150	30—80	5±0.5	24	1.62
XBZS—1020	<150	30—120	5±0.5	16	2
XBZS—1022	<150	30—140	5±0.5	16	2.2
XBZS—1222	<150	30—160	5±0.5	16	2.64
XBZS—1224	<150	30--200	5±0.5	16	2.88

With Exciter

Model	Materials Size(mm)	Capacity (t/h)	Double amplitude(mm)	Frequency of vibration (Hz)	Area (m ²)
XBZS—1230	<200	100—200	5±0.5	12	3.6
XBZS—1530	<200	100—260	5±0.5	12	4.5
XBZS—1536	<200	150—320	5±0.5	12	5.4
XBZS—1542	<200	150—320	5±0.5	12	6.3
XBZS—1836	<200	180—360	5±0.5	12	6.48
XBZS—1842	<200	200—400	5±0.5	12	7.56

Working principle and construction

ZSG is consisted of vibrating motor,screen frame,rubber spring,input hopper, collet.

When it is working, Two motors reverse self-synchronous reversely rotate and then produce longitudinal exciting force, which forces the screen frame along with screen plate to vibrate longitudinally.Through the vibration and exciting force,the materials on screen frame will shoot out a range forward periodically with the puopose of completing materials classification

Application

Mining ,coal ,energy power ,metallurgy ,
building materials ,fire-resistant and
classifying large and small slender material



Technical parameter

Model	Materials Size(mm)	Capacity (t/h)	Double amplitude(mm)	Frequenc (Hz)	Area (m ²)	Motor	
						model	Power(KW)
ZSGB—10×20	≅200	10—150	6—10	16	2	YZO—20—6	2.0×2
ZSGB—10×30	≅250	15—200	6—10	16	3	YZO—30—6	2.5×2
ZSGB—15×30	≅250	20—300	6—10	16	4.5	YZO—50—6	3.7×2
ZSGB—15×40	≅250	25—350	6—10	16	6	YZO—50—6	3.7×2
ZSGB—15×50	≅300	30—400	6—10	16	7.5	YZO—75—20	5.5×2
ZSG2B—10×20	≅200	10—150	6—10	16	2	YZO—20—6	2.0×2
ZSG2B—10×30	≅250	15—200	6—10	16	3	YZO—30—6	2.5×2
ZSG2B—15×30	≅250	20—300	6—10	16	4.5	YZO—50—6	3.7×2
ZSG2B—15×40	≅250	25—350	6—10	16	6	YZO—75—6	5.5×2
ZSG2B—15×50	≅300	30—400	6—10	16	7.5	YZO—75—6	5.5×2

Products Profile

MZS series powdered coal screen is special vibrating screen developed by our company according to special requirement blast furnace coal injection on powdered coal screening based on linear screen. powdered coal of blast furnace injection system pass through powdered coal vibrating screen into powdered coal silo to stop sundries like chip and fiber from entering the silo ,this can assure that powdered coal fluently convey in the pipeline. It has following advantages:

high efficiency screening, reliable and safe working ,

sound seal, small dynamic load on the base.



MZS Vibrating Screen

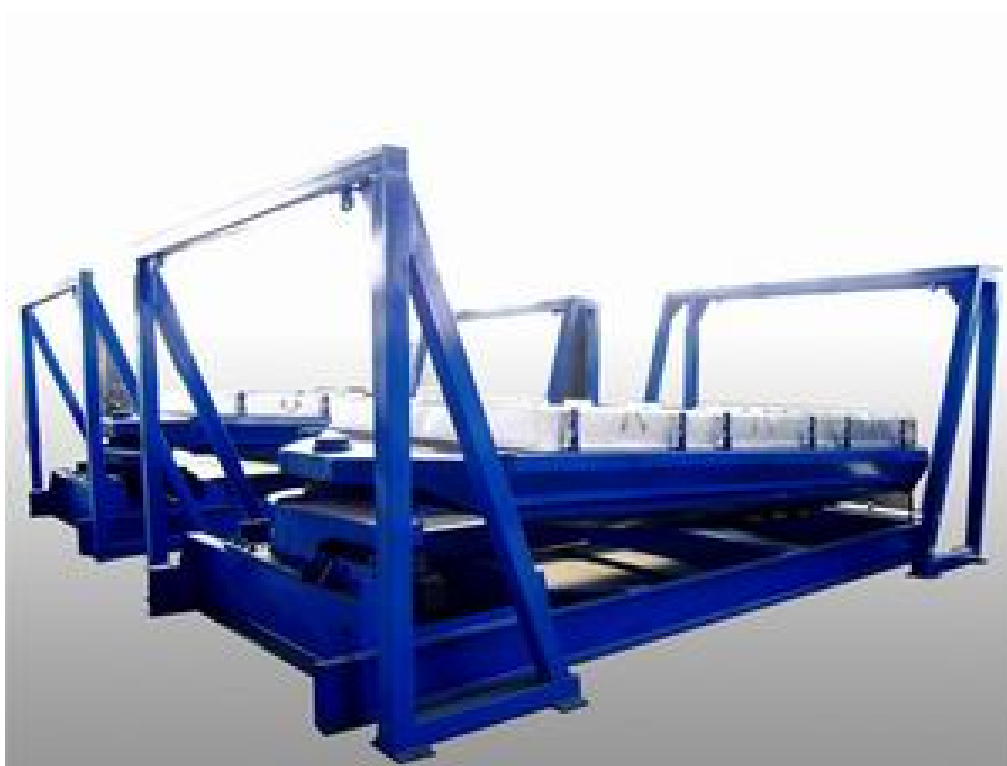
Technical parameter

Model	Dimension of opening (mm)	Capacity (t/h)	Amplitude (mm)	Specification of deck (mm)	Motor		
					model	Rotation speed(r/min)	Power (KW)
MZS—50—140	2—5	100—200	5—7	800×1400	YZOB—10—6	940	2×0.75
MZS—70—200	2—5	100—260	6—8	200×2000	YAZOB20—6	955	2×1.5
MZS—90—240	2—5	150—320	6—8	900×2400	YZOB—30—6	960	2×2.2
MZS—140—300	2—5	150—320	6—8	1400×3000	YZOB—50--6	960	2×3.0

Application

Ratory Screen for Granular Urea is also called **Rotary carbamide sieve classifier**,it is a new screening device which is developed mainly aiming at screening of bulky grain carbamide,also used widely for screening operation in chemical industry,grain production,fire-proof materials,buliding materials etc.

**Rotary
Screen**



Advantages

- a.No vertical vibrating and long span life sieve mesh(from 6 to 12 months)
- b.Sieve mesh anti clogging clearing device is set up on each layer of mesh.The unplugged hole of mesh prolongs runnig period. Sieve classifier constantly clears the sieve mesh under working condition.
- c.Adopting rotary principle improves obviously materials distribution,increase effective utilization of screen deck,finally increase the screen efficiency and reduce powder content of finished materials.
- d.Full-sealed construction and no dust pollution improve working circumstance of operation sales person.
- f. Reduce dyamic load 3 to 5 times to base

