

PRODUCT BROCHURE

WE FOCUS ON :

- Non-metal Ores Washing & Processing
- Construction Waste Treatment
- River Dredging Operations
- Sand Washing Technology
- Sea Sand Desalination

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Airport industry cluster area, Luoyang City, Henan Province

INNOVATION | QUALITY | SERVICE
LYLZ26.01.EN.01

Promote the green development of mining industry with professionalism, and promote the harmonious coexistence of man and nature.

Value

Honesty Customer first People oriented Focus on quality

Longzhong style

High quality and efficiency Exploration and innovation

Long Zhong Globalization Strategy Is In Progress . . .



ABOUT US

COMPANY PROFILE

Luoyang Longzhong Heavy Machinery Company (LZZG) is a supplier specializing in solving problems such as zero discharge of non-metal tailings and sand washing waste water, purification of piling slurry, waste incineration, slag treatment and river dredging.

Our company not only guarantees the high quality in the existing production process, but also insists on R&D technology development and overall service level improvement. Professional research elites, management talents, and experienced sales personnel jointly ensure LZZG's stability in every part in design, production and after-sales service.

Since the establishment, Longzhong Heavy Industry has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients. Our considerate service, accurate manufacture and reasonable price will satisfy you to the best. service concept: All is for the clients and provide clients with high added value products.

As a good adviser and assistant of clients, we can enable them to get rich and generous returns on their investments: Select equipment model; Design and manufacture products according to clients' special requirement; Train technical personnel for clients.

In the process of the clients buying the products, we will through a series of rigorous service style to provide clients the satisfactory and considerate service. We respect clients and always devote ourselves to improving the total value of clients.



20+

More than 20 new products and practical patents Lorem Ipsum

50+

Our products are exported to more than 50 countries and regions

60+

More than 60 after-sales visit teams

100+

Having hundreds of professional and technical personnel

E nterprise image



Exquisite manufacturing craftsmanship and comprehensive and thoughtful on-site service are our greatest loyalty to customers.



LZZG combine innovation with excellence to deliver premium products and services that generate lasting value for our customers.



Roductive power



Our rigorous management systems guarantee precision at every stage, from production and logistics to quality control, empowering businesses to thrive in dynamic markets.



Overseas business



Longzhong Overseas Business Unit was established in 2012, exporting products including mining material cleaning, screening and grading, recycling and extraction equipment, etc. Since the company fully implemented its globalization strategy, its overseas business has developed rapidly. As of now, Longzhong has established a global marketing service network system covering more than 100 countries and regions worldwide, consisting of hundreds of distributors, becoming one of the enterprises in the industry with a steady pace of globalization development.



Enterprise Qualification



Innovation research is the source of our progress.
Having successfully provided services to more than 20,000 customers in more than 30 countries and regions.

LZ R&D Center:

LZZG adheres to the road of technological innovation, constantly market-oriented, relying on advanced products, gradually establish a united and efficient R&D, manufacturing and service team, with a number of senior scientific researchers and engineers, including mechanical design, mechanical manufacturing, electrical control, environmental protection and other professionals.

Through strengthening management and core technology innovation, on the basis of fully absorbing foreign advanced technologies and solutions, the company has independently developed advanced technologies and equipment in the fields of tailings, municipal shield foundation construction and river dredging.

New product display



LZTL tower type sand washing and zero release system



YDseries mobile sand washing station



GX High-efficient Sand Washer



LD Crawler-type Mobile Sand Wash Plant

Classic case



Classic case



Classic case



Classic case



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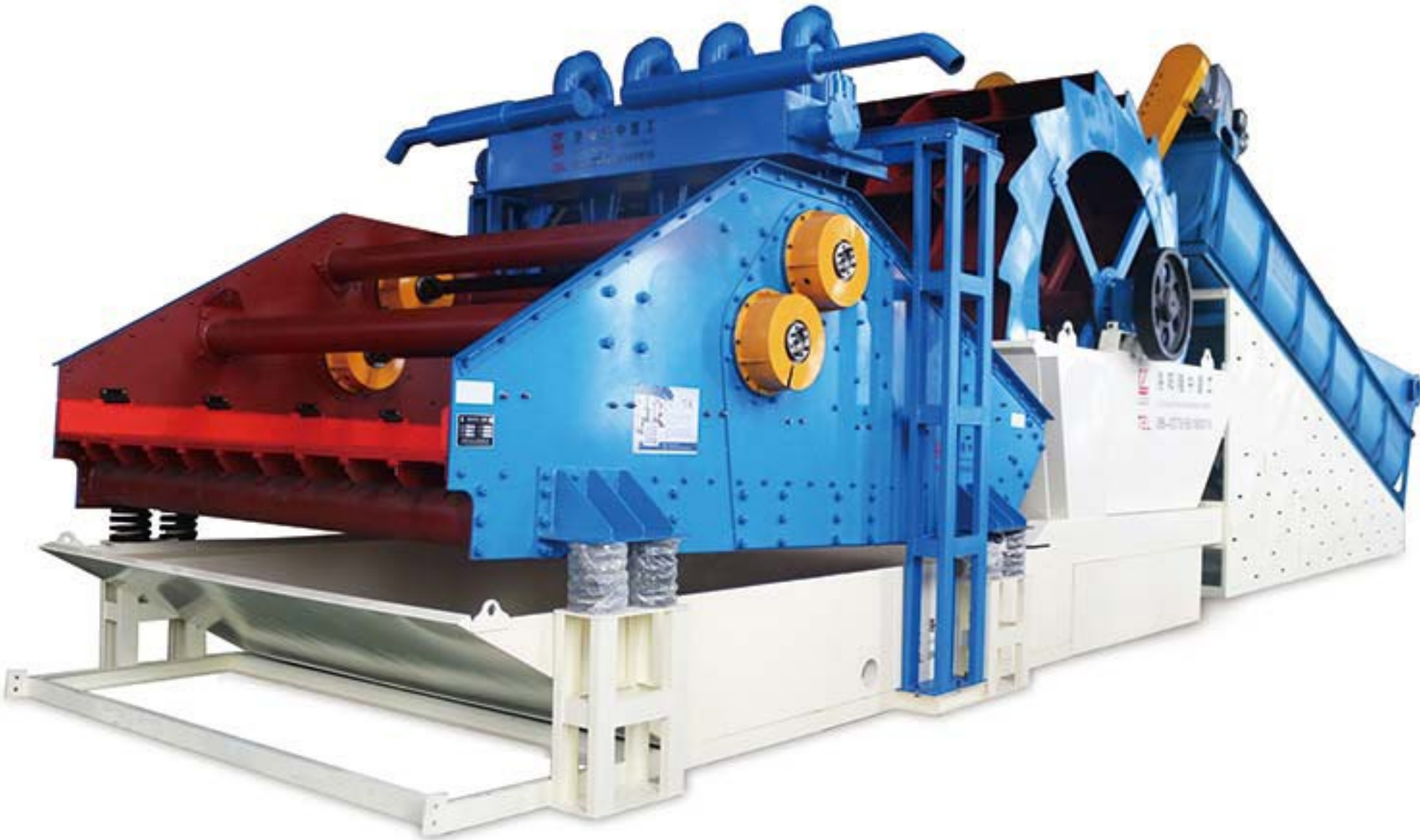
DS Series Multi Function Sand Washer

Material ceaning

The front end adopts spiral to remove most of the mud and the cleaning effect is great The middle end adopts wheel washing screen to remove most sewage and then toreduce the moisture content of sand.

Dehydration and recycling

The sand with lower mud and water enter the rear end dewatering screen for dehydration,which further reduces the water content and mud content. Hydrocyclones will recycle finesand in waste water, so to improve final sand quality.

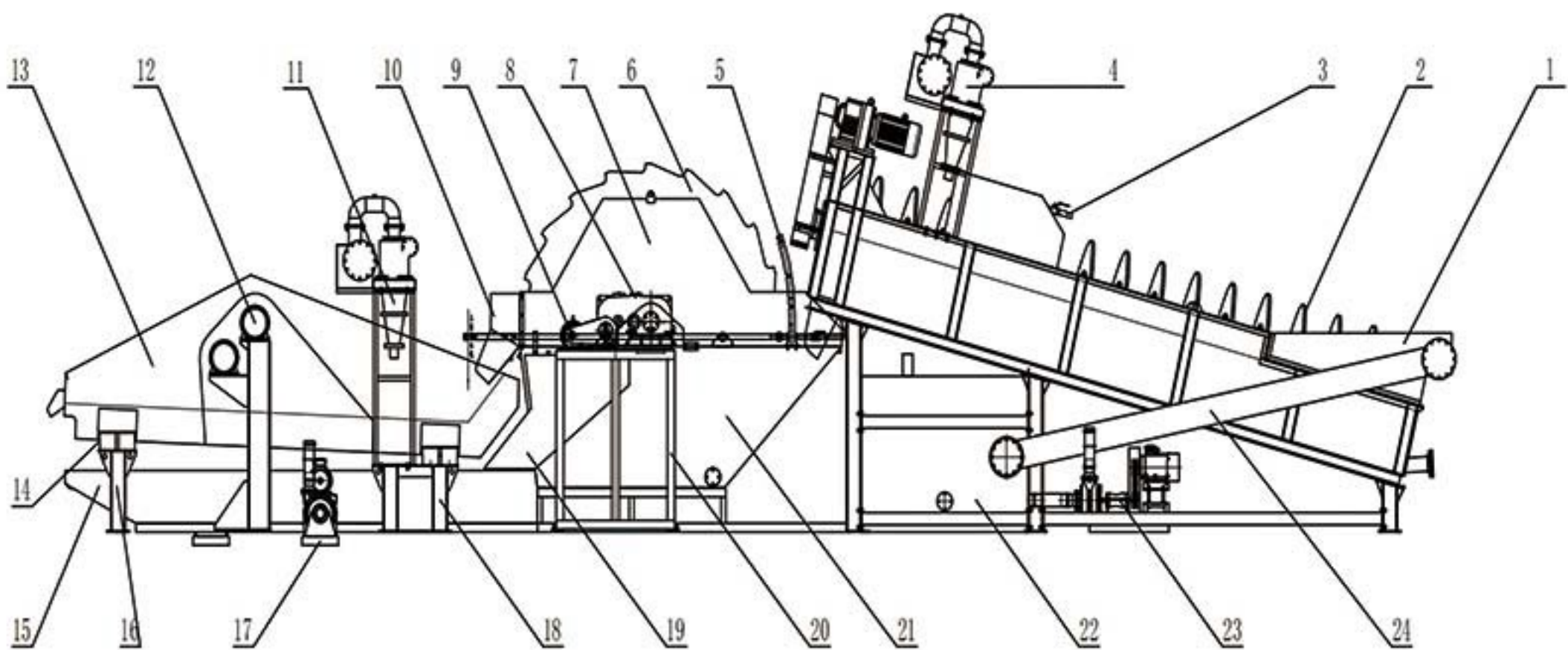


This machine combines wheel sand washing machine, spiral sand washing machine, dewatering screen, separator and other components into one, so that the equipment has stronger material cleaning and recovery ability.

Structure

Organization chart :

- 1.Screw washer tail weir
- 2.Screw
- 3.Spiral washer spray system
- 4.Cyclone (Once recycling)
- 5.Wheel washer spray system
- 6.Wheel
- 7.Wheel washer guard plate
- 8.Wheel washer reducer
- 9.Wheel washer motor
- 10.Wheel washer discharge port
- 11.Cyclone (secondary recycling)
- 12.Screen motor support
- 13.Dewatering screen
- 14.Rubber spring
- 15.Water tank under screen
- 16.Water tank under screen
- 17.Slurry pump
- 18.Feed end spring leg
- 19.Overflow launder
- 20.Reducer mounting bracket
- 21.Wheel washer water tank
- 22.Auxiliary water tank
- 23.Slurry pump
- 24.Overflow pipe



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Diameter of spiral(mm)	Specs of impeller (mm)	Specs of screen plate (mm)	Cyclone specifications (mm)	Power (k/w)	Overall dimension (mm)
DS40	DS-LX07-18-1224D	≤10	20-40	760	1800X800	1200X2400	300X2	44.9	11900X5250X3880
DS60	DS-LX09-25-1530D	≤10	30-60	920	2500X1200	1500X3000	300X2	51	14550X5560X4150
DS80	DS-LX11-30-1842D	≤10	40-80	1120	3000X1600	1800X4200	300X4	95	16250X6200X3700
DS100	DS-2LX09-30-1842J	≤10	60-100	920X2	3000X1600	1800X4200	300X4	102.5	16250X6200X3700
DS150	DS-2LX11-36-2442J	≤10	100-150	1120X2	3600X2000	2400X4200	350X4	140.5	17450X6800X3700
DS200	DS-2LX15-36-3048J	≤10	120-200	1500X2	3600X2400	3000X4800	350X6	196	18000X7400X4600
DS250	DS-2LX15-42-3660J	≤10	160-250	1500X2	4200X3000	3600X6000	350X6	214	18580X8000X5200

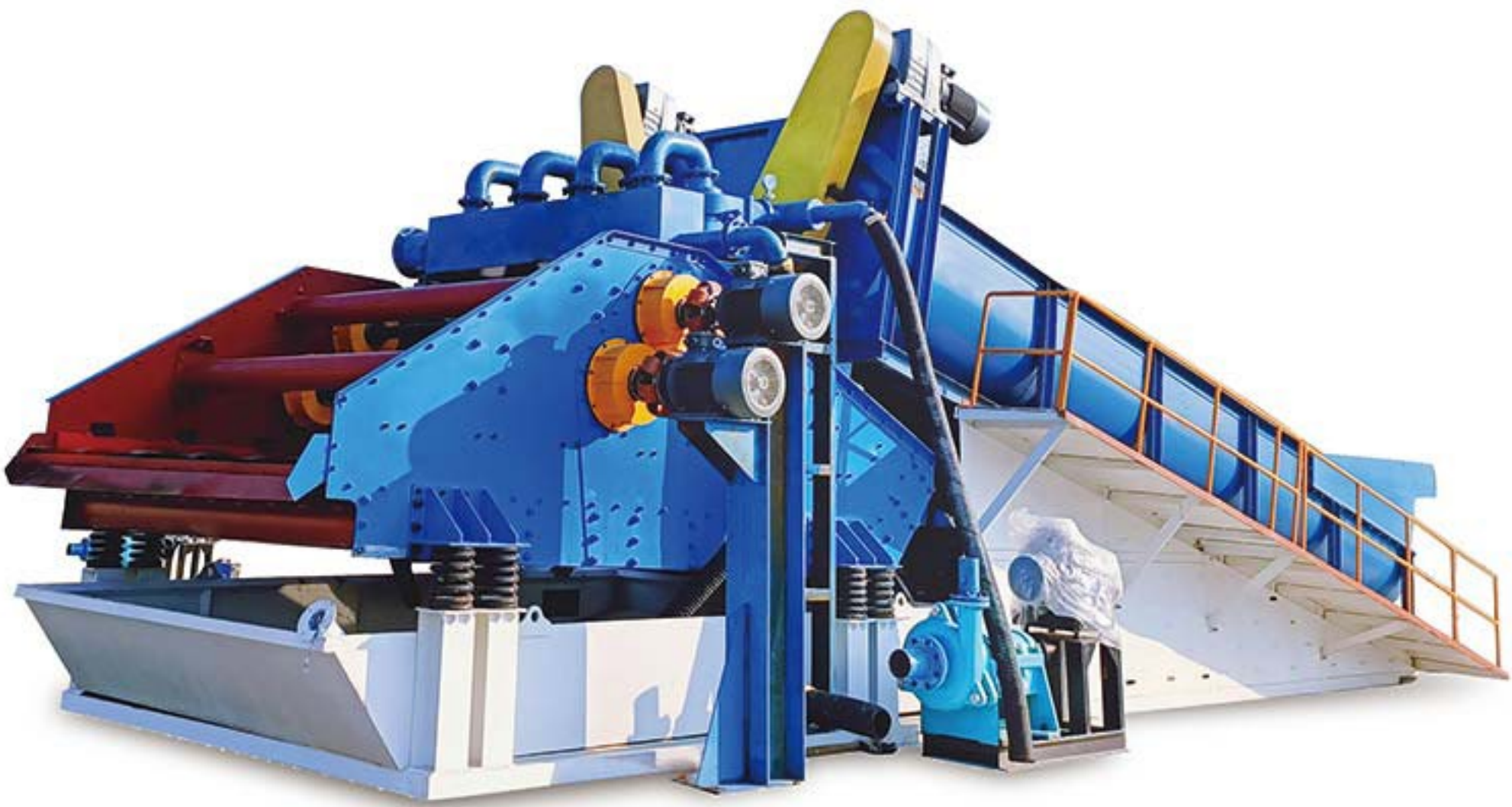
LX Spiral Sand Washing & Recycling Machine

Sand washing and recovery

The whole machine has the functions of cleaning, dehydration, recovery and so on.integrated structure, short production cycle, small floor area and big capacity.

Energy saving and environmental protection

Reasonable waterway design and dark flow structure have good cleaning effect, which not only can meet the requirements of civilized production on site, but also can effectively reduce water consumption, save energy and reduce consumption, and maximize the utilization rate of resources.

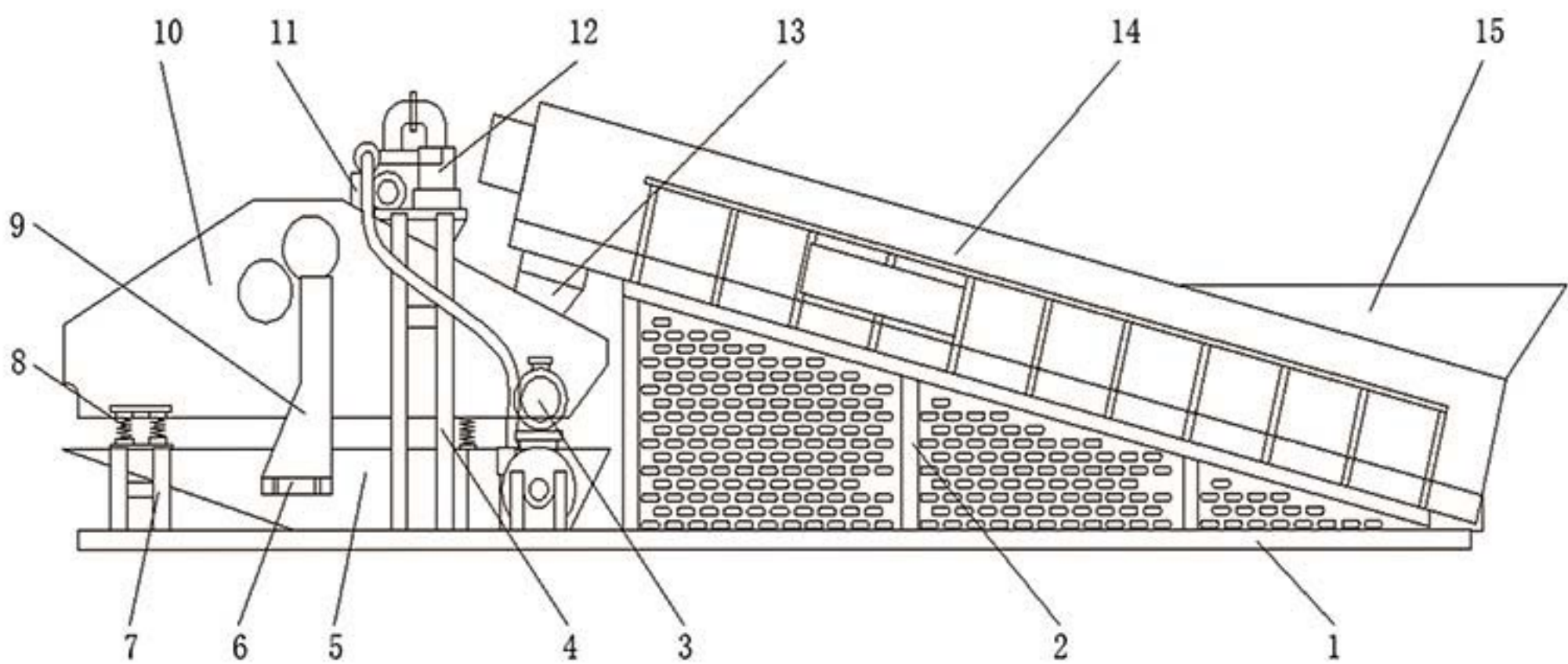


The equipment has a reasonable integrated structure, adopts linear vibrating screen and spiral sand washing system realizes material cleaning, dehydration, recovery and other functions, it is easy to produce and process,and have short production cycle, small floor area.

Structure

Organization chart :

- 7.Water tank fixing frame
- 11.Recovery water tank
- 15.Cleaning box
- 1.Base plate
- 4.Fixed frame
- 8.Elastic damper
- 2.Support pad
- 5.Water tank
- 9.Sliding frame
- 3.Slurry pump
- 6.Vertical chute
- 10.Dewatering screen
- 12.Cyclone
- 13.Discharge port
- 14.Double spiral sand washer



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Diameter of spiral(mm)	Cyclone specs (mm)	Specs of screen (mm)	Power (k/w)	Overall dimension (mm)
LY40	LX07-55-1224D	≤10	20-40	760	250X2	1200X2400	33.9	10880X5240X3720
LY60	LX09-65-1530D	≤10	30-60	920	300X2	1500X3000	47	11490X5560X3960
LY80	LX11-65-1842D	≤10	40-80	1120	300X2	1800X4200	59.5	12830X5860X4250
2LY100	2LX09-75-1842J	≤10	80-120	920X2	350X2	2400X4200	74	12630X6450X3860
2LY150	2LX11-120-2442J	≤10	100-150	1120X2	300X4	2400X4200	119	12630X6450X4150
2LY200	2LX15-140-3048J	≤10	100-160	1500X2	350X4	3000X4800	148	13560X7860X4300
2LY250	2LX15-180-3660J	≤10	160-250	1500X2	300X6	3600X6000	178	14760X7920X4900

LZ Sand Washing & Recycling Machine

Integrated washing and recycling

Combined with advantages of sand washer and sand recycling system, it has the functions of washing, fine sand dehydration and recovery, the final sand is much cleaner than that of traditional washers, with better quality and price.

High efficiency and low power consumption

This machine has higher working efficiency and lower energy consumption, and its biggest advantage is energy saving and environmental protection. Reasonable structure, small floor space, easy installation, lower investment cost than two equipment.

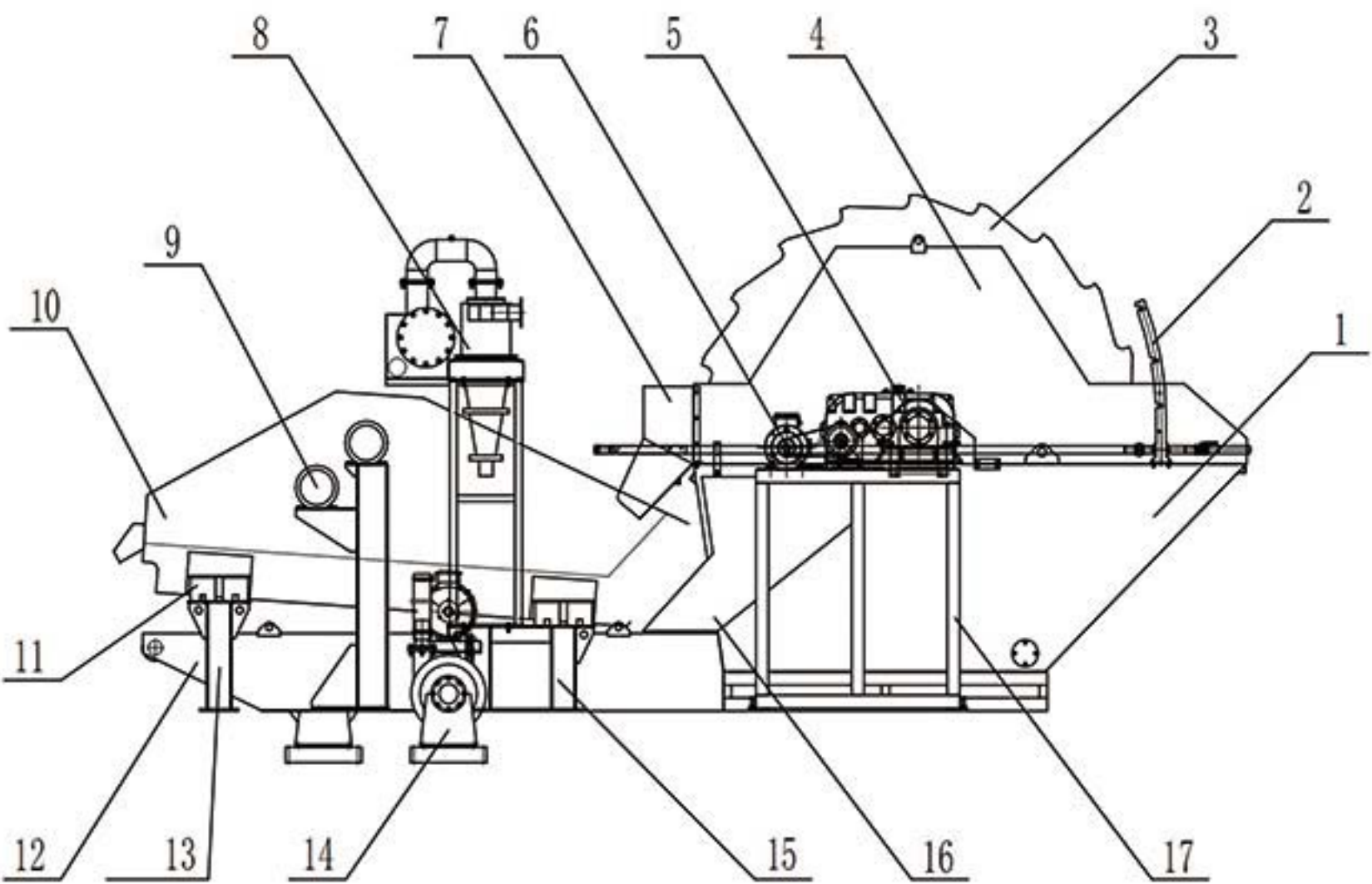


Sand washing & recycling machine is a combination of washing sand and dewatering and recovery of fine sand. The machine skillfully connects the fine sand recycling machine with the sand washer, with a reasonable structure, small floor space and lower investment.

Structure

Organization chart :

1. Water tank
2. Water sprayer
3. Impeller
4. Protect plate
5. Reducer
6. Motor
7. Discharge hopper
8. Cyclone
9. Motor
10. Dewatering screen
11. Rubber spring
12. Tank
13. Discharge part support leg
14. Slurry pump
15. Feed part support leg
16. Overflow part
17. Reducer base



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of impeller (mm)	Cyclone specs (mm)	Specs of screen plate (mm)	Power (kw)	Overall dimension (mm)
DL40	LZ1808-55-1224D	≤10	20-40	1800X800	250X2	1200X2400	29.4	5800X5000X1950
DL60	LZ2512-65-1530D	≤10	30-60	2500X1200	300X2	1500X3000	40	5800X5560X2750
DL80	LZ3016-65-1842D	≤10	40-80	3000X1600	300X2	1800X4200	46.5	7950X6200X3700
DL100	LZ3016-75-1842J	≤10	60-120	3000X1600	350X2	1800X4200	57.5	7950X6200X3700
DL150	LZ3620-75-2442J	≤10	100-150	3600X2000	350X2	2400X4200	66.5	8500X6800X3700
DL200	LZ3624-140-3048J	≤10	120-200	3600X2400	350X4	3000X4800	115	7950X7400X4100
DL250	LZ4230-180-3660J	≤10	160-250	4200X3000	300X6	3600X6000	149	8580X8020X4860

Dual Wheel Sand Washing & Recycling Machine

Powerful functions

Sand will be much cleaner by twice washing and the mud content is much lower than the national standards. It is powerful, together washing, fine sand recovery, and dewatering.

Energy saving and environmental protection

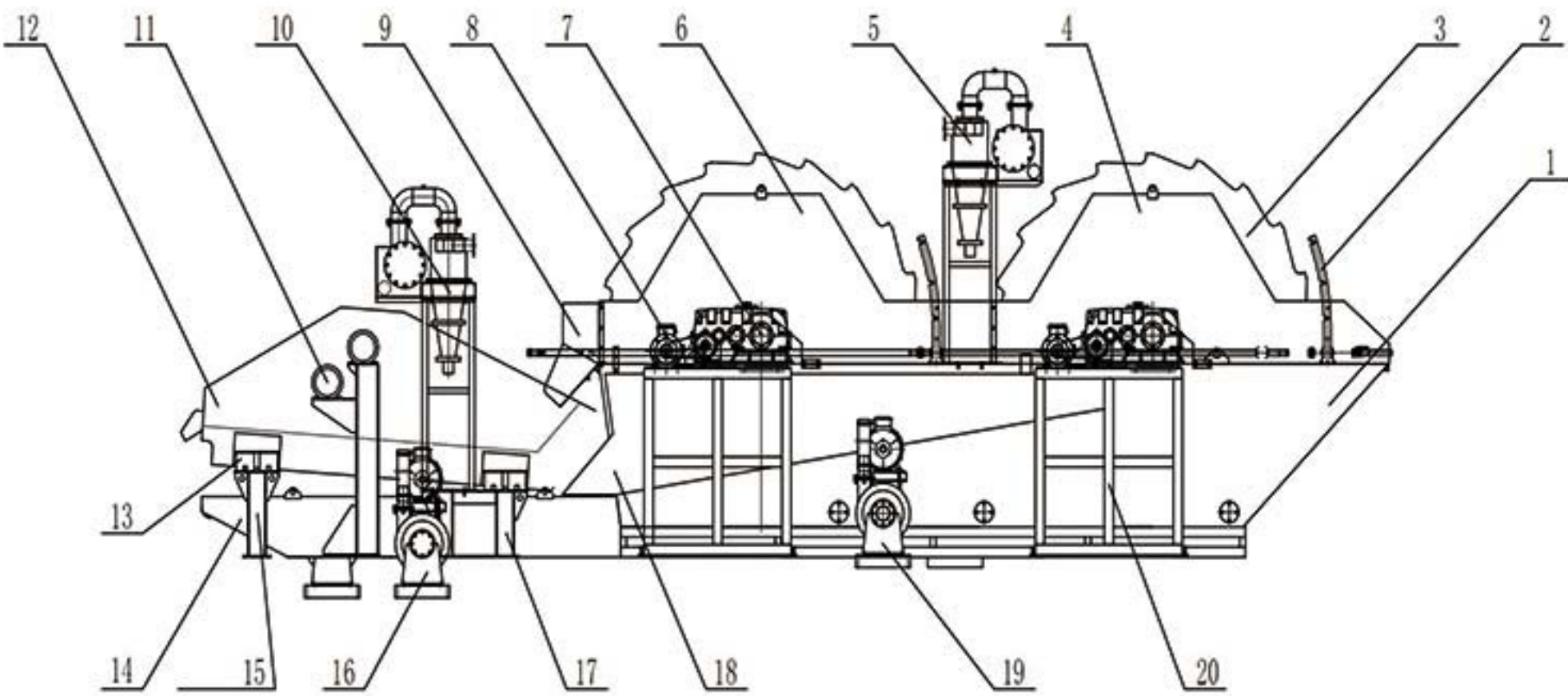
The centrifugal cyclones can recover the fine sand in waste-water, effectively reducing the loss of fine sand.



Structure

Organization chart :

- 1.Wheel water tank
- 2.Spray system
- 3.Impeller
- 4.Wheel washer feed end guard plate
- 5.Cyclone(Once recycling)
- 6.Wheel washer discharge end guard plate
- 7.Wheel washer reducer(2 sets)
- 8.Wheel washer motor(2 sets)
- 9.Wheel washer outlet hopper
- 10.Cyclone (secondary recycling)
- 11.Screen motor support
- 12.Dewatering screen
- 13.Rubber spring
- 14.Water tank under screen
- 15.Discharge end support
- 16.Slurry pump
- 17.Feed end spring leg
- 18.Overflow launder
- 19.Slurry pump
- 20.Reducer mounting bracket (2 sets)



Dual wheel sand washing & recycling machine is a multi-washing integrated equipment that is upgraded and developed based on the original sand washing and recycling equipment according to customer's feedback.

Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of impeller(mm)	Cyclone specs (mm)	Specs of screen plate (mm)	Power (k/w)	Overall dimension (mm)
2DL40	2LZ1808-55-1224D	≤10	20-40	1800X800	250X2	1200X2400	32.4	7120X3650X2160
2DL60	2LZ2512-65-1530D	≤10	30-60	2500X1200	300X2	1500X3000	44	8900X5560X2750
2DL80	2LZ3016-65-1842D	≤10	40-80	3000X1600	300X2	1800X4200	52	11600X5860X3370
2DL100	2LZ3016-75-1842J	≤10	60-120	3000X1600	350X2	1800X4200	63	11600X5860X3370
2DL150	2LZ3620-120-2442J	≤10	100-150	3600X2000	300X4	2400X4200	97	12800X6560X3970
2DL200	2LZ3624-140-3048J	≤10	120-200	3600X2400	350X4	3000X4800	126	12800X7150X4170
2DL250	2LZ4230-180-3660J	≤10	160-250	4200X3000	300X6	3600X6000	164	14400X7740X4860

GX High-efficient Scrubbing and Washing Machine

Product introduction

The mixed material are sent to the scrubbing machine for full scrubbing firstly,and then go to wheel washer, for futher cleaning,to achieve the effect of mud-sand separation.

The material from wheel bucket enters the coarse sand dewatering area of dewatering screen for dehydration, and the overflowing waste water is concentratedby hydrocyclones, and then discharged into the wheel washer,through the bottom flow port for cleaning again.

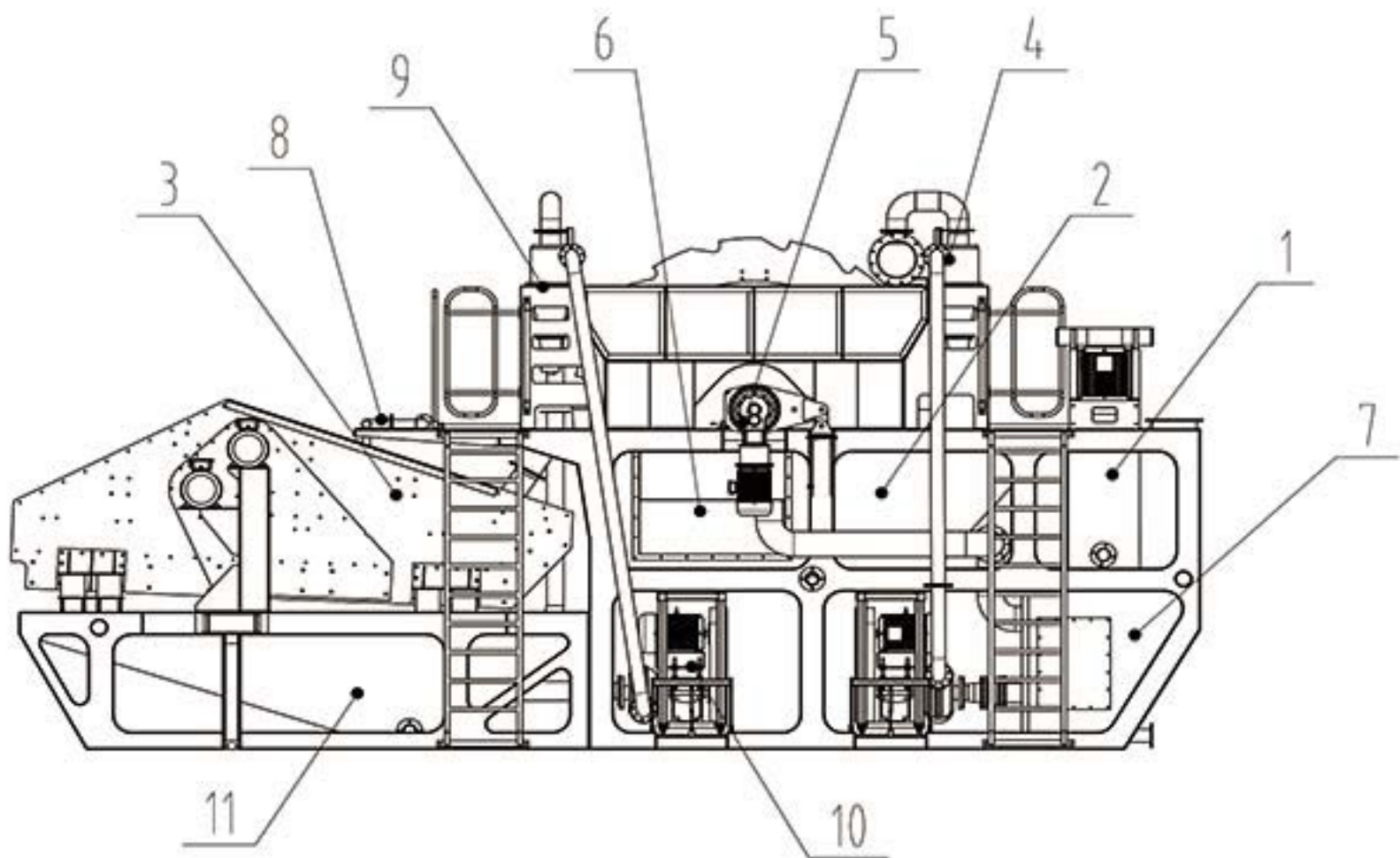
The mixture material under dewatering screen will be concentrated bysecond set of hydrocyclones and discharged into the fine sand dewatering area of the dewatering screen through the bottom flow port. Therefore,to achieve sand washing efficiently.



Structure

Organization chart :

- 1.Scrubbing part
- 2.Water tank of wheel washer
- 3.Dewatering screen
- 4.First recycling system
- 5.Wheel bucket turning
- 6.Overflow device
- 7.Transfer water tank
- 8.Spray system
- 9.Second recycling system
- 10.Slurry pump
- 11.Water tank under screen



Tech specifications

Order code	Model	Production (t/h)	Scrubbing (mm)	Impeller specification (mm)	Sieve plate specification (mm)	Main motor power (kw)	Operating weight (kg)	Overall dimension (mm)
GX50	GX50	30-60	CX1.5	2512	1530	42.5	9860	8320X3200X3560
GX100	GX100	60-100	CX3	2516	1842	68.5	13450	9540X3520X3860
GX150	GX150	100-150	CX2-2	3020	2442	96.5	18780	8850X4250X4660
GX200	GX200	150-200	CX2.5-2	3024	3048	123	23560	9860X4800X5200
GX250	GX250	200-250	CX3-2	3030	3660	163	28800	11360X5820X5400

LX Series Spiral Sand Washing Machine

Large capacity

Because spiral sand washing machine wash sand by spiral instead of bucket,its capacity has been greatly improved.

High usage rate

Compared to energy loss caused by the wheel bucket lifting, spiral washer energy canbe better utilized effectively

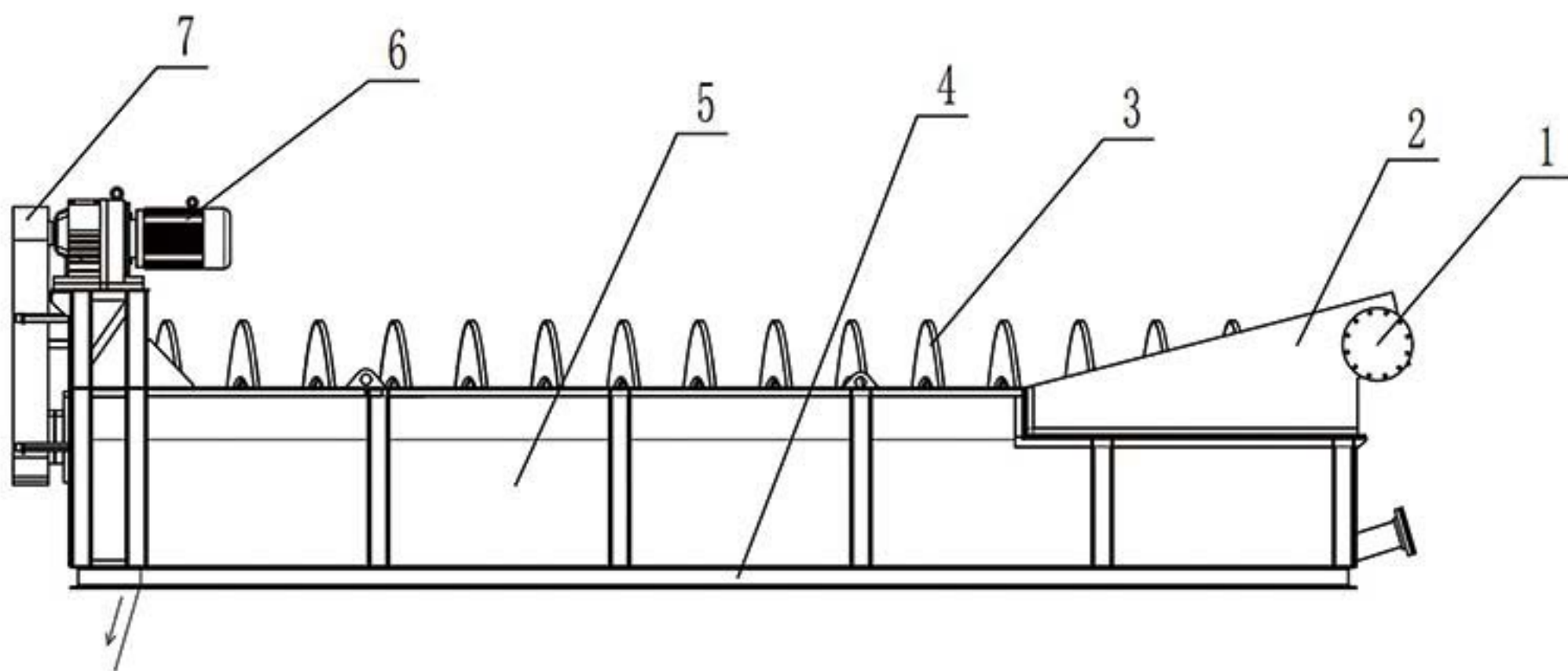


By spiral blade stirring, silt in sand will mix with water, then be discharged out by overflow port, and the sand are gradually discharged from the top outlet, thus realizing the cleaning and screening purpose.

Structure

Organization chart :

- 1.Overflow opening
- 2.Screw tail assembly
- 3.Screw assembly
- 4.Channel frame
- 5. Water tank
- 6.Motor & reducer
- 7.Chain shield



Tech specifications

Order code	Model	Feed Size (mm)	Capacity (t/h)	Diameter of spiral (mm)	Qty of spiral (mm)	Length of tub (mm)	Power (kw)	Overall dimension (mm)
LX0760	LX0760	≤10	20-40	760	1	6000	7.5	5700X1420X1900
LX0920	LX0920	≤10	30-60	920	1	8000	11	8710X1630X2080
LX1120	LX1120	≤10	40-80	1120	1	8000	18.5	9230X1840X2130
LX1500	LX1500	≤10	50-100	1500	1	8000	22	9620X2230X2480
2LX0920	2LX0920	≤10	60-120	920X2	2	8000	11X2	8710X2600X2080
2LX1120	2LX1120	≤10	80-160	1120X2	2	8000	18.5X2	9230X3050X2130
2LX1500	2LX1500	≤10	120-250	1500X2	2	8000	22X2	9620X3730X2480

XSD Series Wheel Sand Washer

Simple structure

The drive bearing is isolated from water and materials, which greatly avoid damage caused by soaking in water,sand and other pollutants, the breakdown rate is reduced greatly.

Energy saving and environmental protection

In the process of sand washing, the loss of medium and fine sand and powder is minimized, and the grade and fineness can meet the required standard.

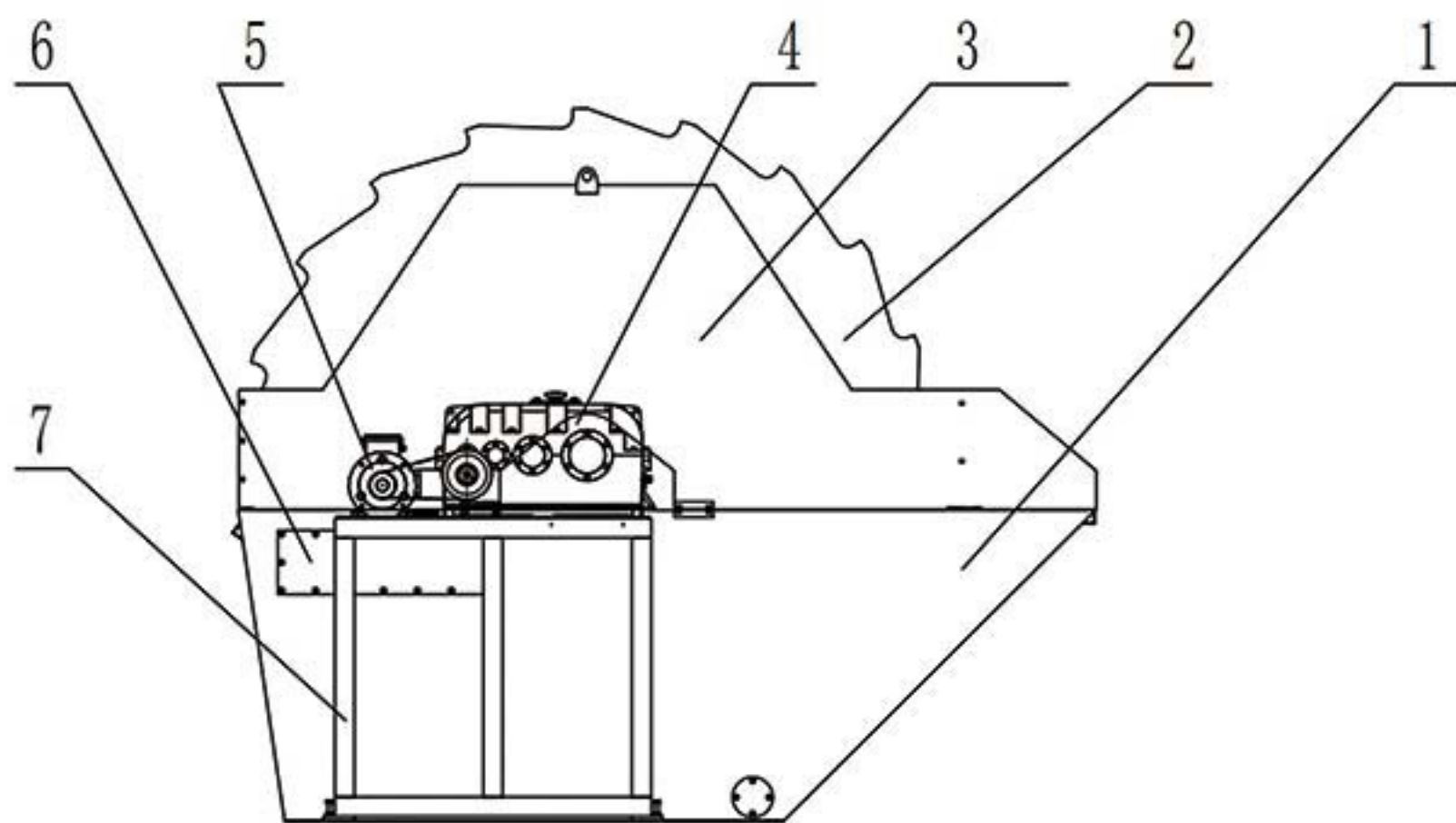


The XSD series wheel sand washer is matched with the sand making machine. it is an important equipment to complete the mechanical sand and natural sand washing and selecting operation.it can wash out stone powder and other impurities, which can improve the sand quality mostly.

Structure

Organization chart :

- 1.Tank
- 2.Impeller
- 3.Protect plate
- 4.Reducer
- 5.Motor
- 6.Overflow opening
- 7.Support frame



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of impeller(mm)	Power (k/w)	Overall dimension (mm)
XSD1808	XSD1808	≤10	20-40	1800X800	3	3000X2400X1900
XSD2512	XSD2512	≤10	30-80	2500X1200	4	3900X2900X2700
XSD3016	XSD3016	≤10	60-120	3000X1600	5.5	4400X3300X3100
XSD3620	XSD3620	≤10	80-160	3600X2000	7.5	5100X3750X3700
XSD3624	XSD3624	≤10	120-200	3600X2400	11	5100X4100X3700
XSD4230	XSD4230	≤10	160-250	4200X3000	15	6000X4800X4300

CX Series Attrition Scrubber

Effective decontamination

The equipment can effectively remove the adhesion layer, oxide layer, loose layer and so on the surface of the material with high scrubbing and stirring intensity, high feed concentration and strong friction force between materials.

Simple and durable

The overall structure is simple and reasonable, small floor space, easy to connect with other equipment. The impeller is made of high wear-resistant material with a longer service life and low maintenance cost.

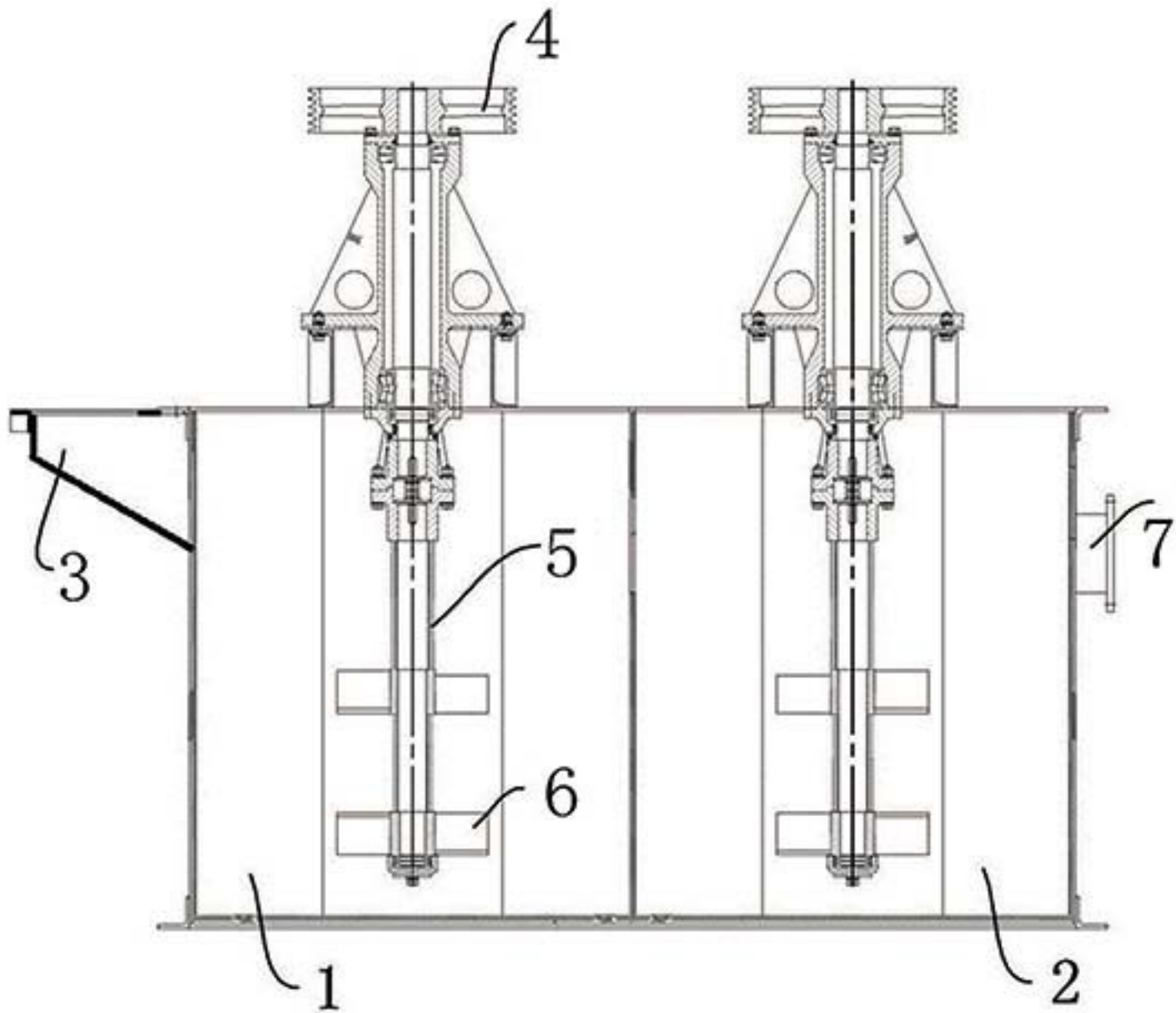


The CX series scrubbing machine is widely used in the production process of high quality silica sand, quartz sand and other materials, and can also be used for the scrubbing of hard ore, aggregate and other materials with high quality requirements.

Structure

Organization chart :

- 1.Groove 1
- 2.Groove 2
- 3.feed port
- 4.belt guard
- 5.bearing body
- 6.impeller
- 7.Ore outlet



Tech specifications

Order code	Model	Feed size (mm)	Capacity (t/h)	Tank volume (m³)	Cyclone specs (mm)	Power (kw)	Overall dimension (mm)
CX1-1	CX1-1	≤10	10-30	1	480	15	1180X1150X2060
CX1-2	CX1-2	≤10	10-30	1X2	480X2	30	2280X1150X2060
CX2-1	CX2-1	≤10	20-50	2	520	30	1600X1600X2780
CX2-2	CX2-2	≤10	20-50	2X2	520X2	60	3080X1600X2780
CX4-1	CX4-1	≤10	40-80	4	770	55	1900X1760X3470
CX4-2	CX4-2	≤10	40-80	4X2	770X2	110	3720X1760X3470

Intelligent Attrition Scrubber

The new scrubber has made the following innovations while retaining the traditional mechanical principle:

The reducer is directly connected to the rotating shaft of the scrubber to make the rotation more stable.

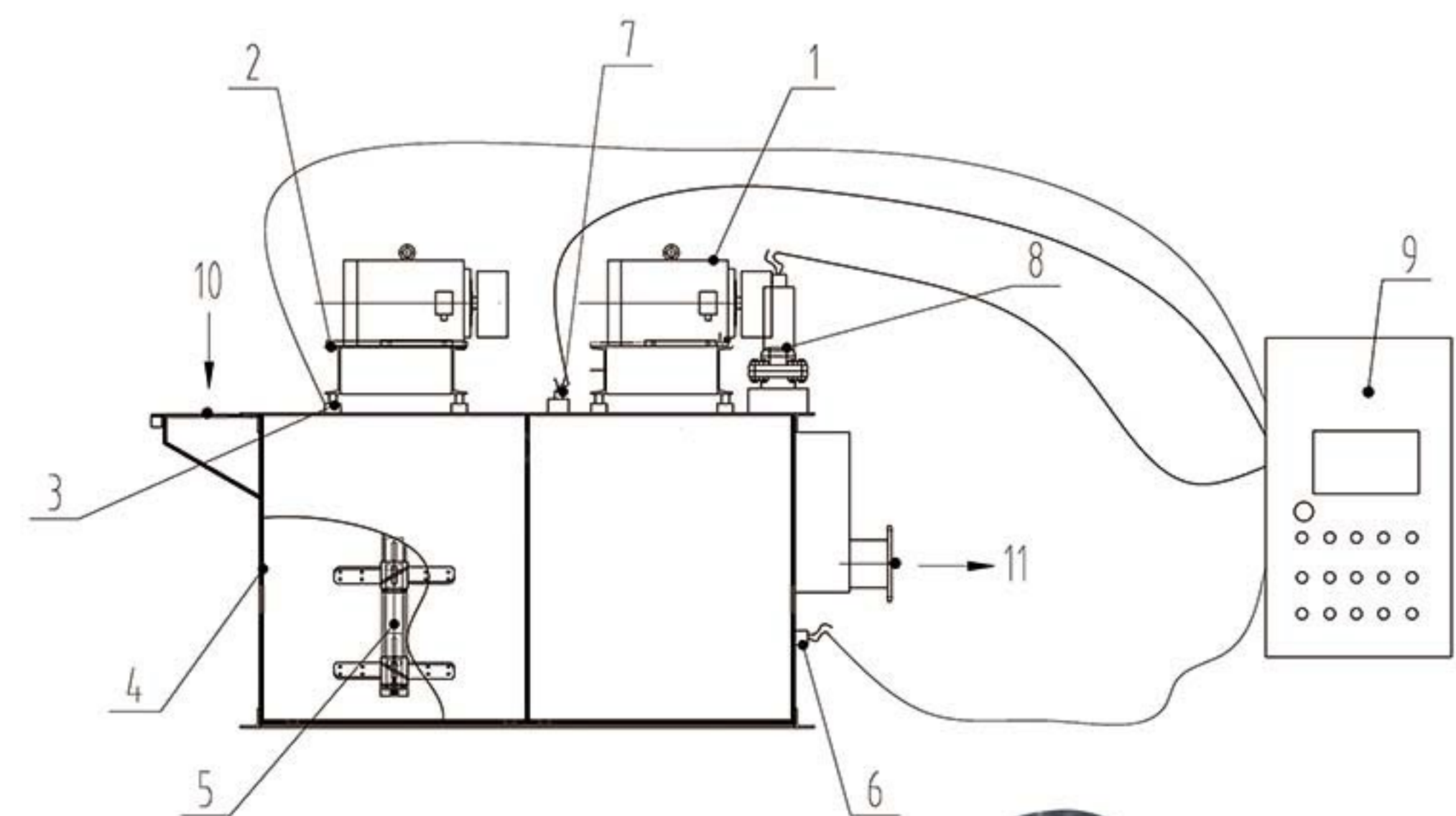
Variable frequency motor with belt drive can adjust the spindle speed in a large range , to adapt to different materials and different working conditions.

High-precision concentration detection sensor shall be installed, and the data of different depths of materials in the cylinder shall be transmitted to the PLC in real time. After analysis, some relative parameters shall be adjusted quickly, including speed and rotating impeller height adjustment.

The inner wall of the cavity is pasted with wear-resistant rubber, and the cylinder wall does not need installation holes to avoid slurry leakage.

The equipment is equipped with an ultrasonic liquid level sensor to detect the height of the mixed materials in the cylinder. The PLC integrated module gives corresponding instructions to the electric gate at the outlet, so as to adjust the opening and closing size of the valve to ensure the smooth discharge of materials and achieve good scrubbing effect.

The control box is equipped with a touch screen, so that the equipment operation and various parameters can be seen at a glance.



Structure

Organization chart :

1. Variable frequency motor
2. Reducer
3. Jacking mechanism
4. Wear-resistant rubber lining
5. Mixing blade
6. Concentration sensor
7. Liquid level sensor
8. Electric gate
9. PLC control cabinet
10. Feed port
11. Discharge port



LZ Sand Recycling Machine

Long service life

The separator feeding pump is horizontal and centrifugal, and all the parts inside the pump adopt high chromium alloy material, good wear resistance and long service life.

Integrated design

It adopts high efficiency vibration motor. The motor and eccentric block are integrated,so operation and maintenance are more convenient and fast.

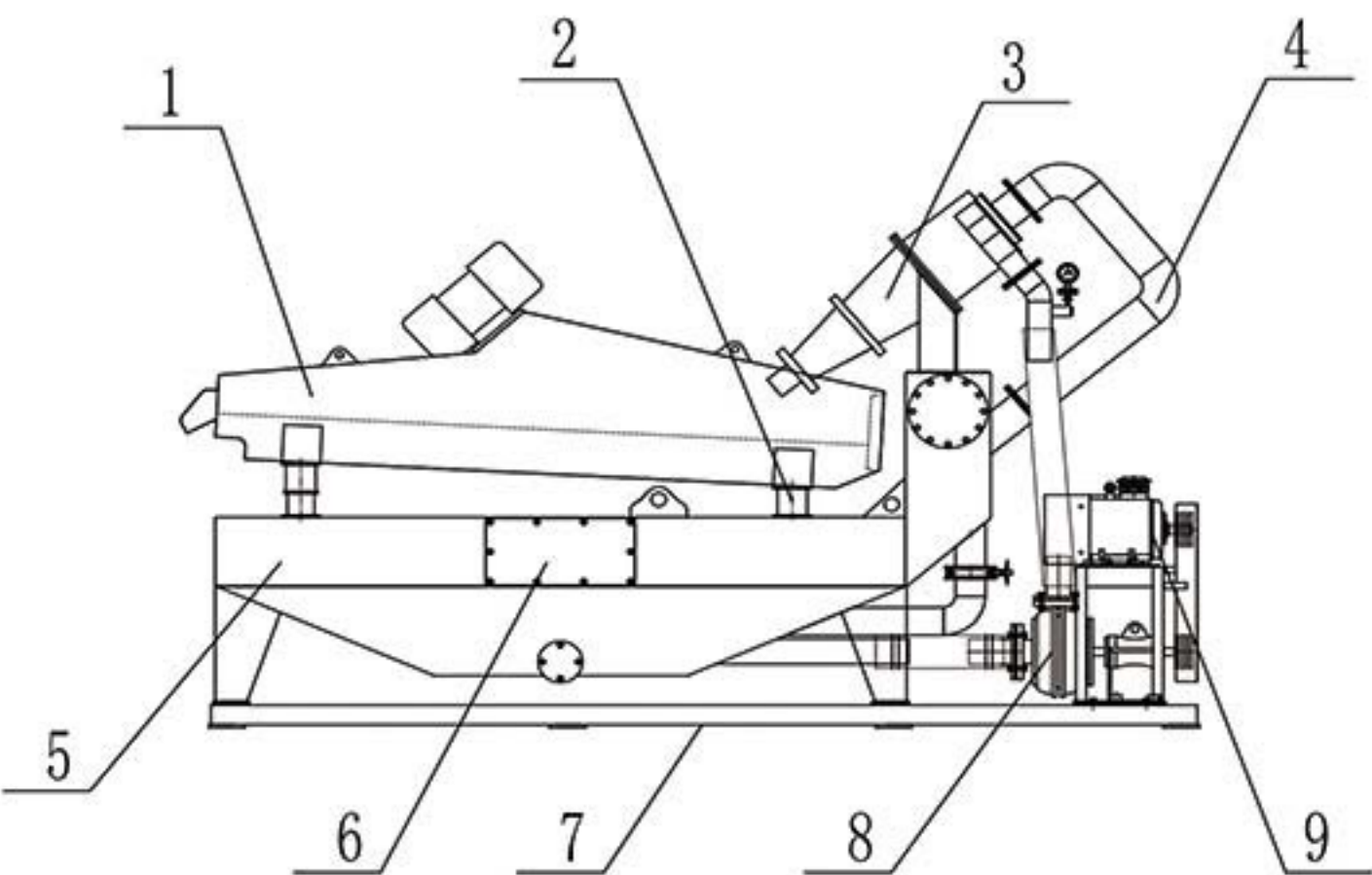


The pump transports waste water to the separation system, and the concentrated fine sand is discharged by the outlet and then dewatered with the coarse sand on the screen , to achieve the recovery and utilization of fine sand.

Structure

Organization chart :

- 1.Dewatering screen
- 2.Rubber spring
3. Cyclone
- 4.Overflow pipe
- 5.Water tank
- 6.Overflow opening
- 7.Base frame
- 8.Slurry pump
- 9.Motor



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of screen (mm)	Cyclone specs (mm)	Power (kw)	Overall dimension (mm)
LZ250	LZ250	≤10	20-50	900X1800	250	12.5	3100X1300X2700
LZ300	LZ300	≤10	40-80	900X1800	300	16.5	3100X1300X2700
LZ350	LZ350	≤10	60-100	900X1800	350	20	3100X1300X2700
LZ550	LZ550	≤10	40-100	1200X2400	250X2	26.4	3600X1600X2800
LZ650	LZ650	≤10	80-160	1200X2400	300X2	34.4	3600X1600X2800
LZ750	LZ750	≤10	120-200	1200X2400	350X2	41.4	3600X1600X2800
LZ900	LZ900	≤10	120-250	1500X3000	300X3	51	4600X1900X2600
LZ1050	LZ1050	≤10	150-300	1500X3000	350X3	61.5	4600X1900X2600

LZ Series No.6 Sand Recycling Machine

Product introduction

After cleaning, the coarse sand directly are sent to the screen surface and then forms a filter layer throughhigh frequency vibration, so as to realize the dehydration, Waste water enters into water tank and ispumped to the cyclone to seperate fine sand and water, Fine sand are discharged to screen surface again, realizing the dehydration and recovery.

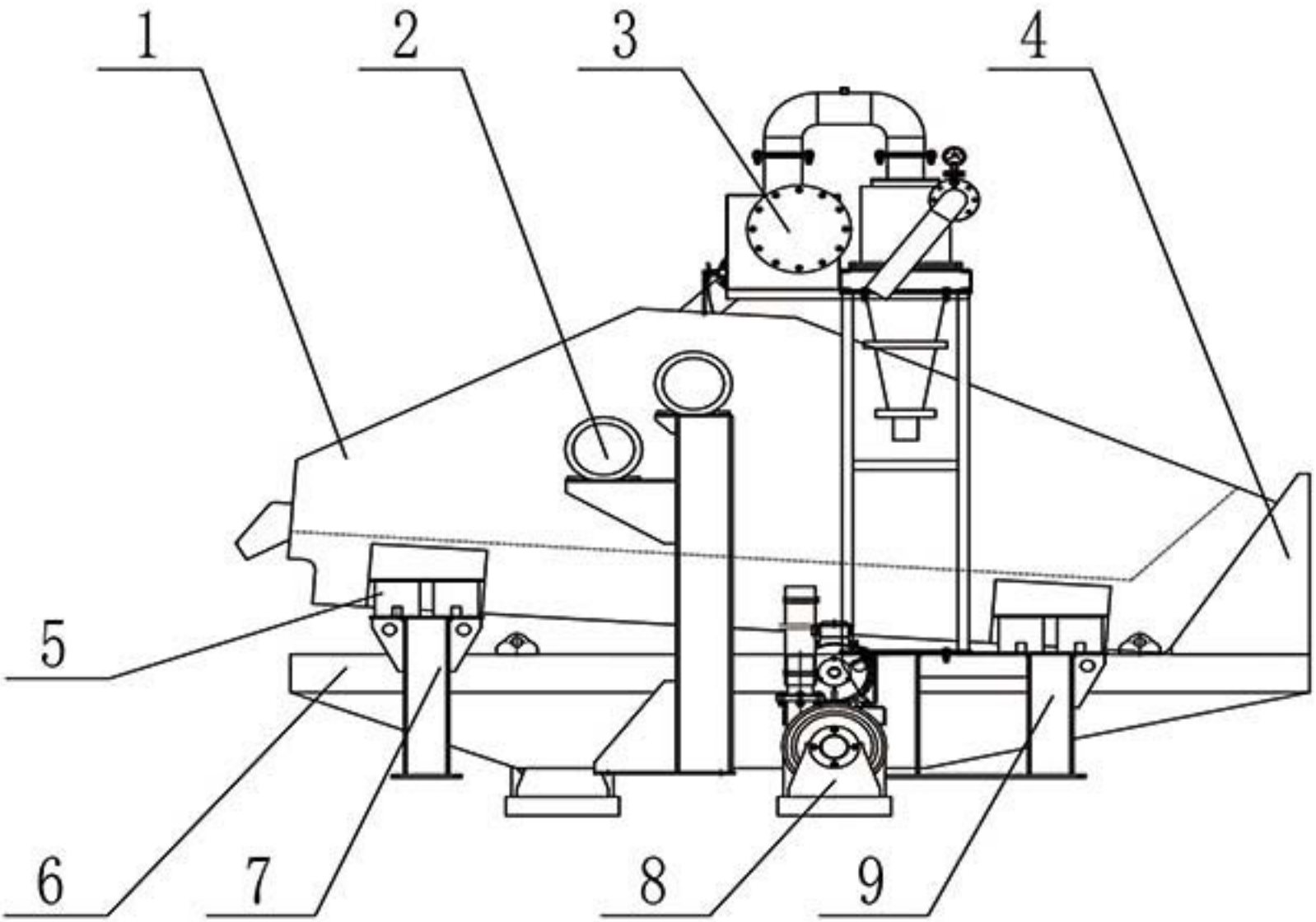


It has the functions of cleaning, dehydration and recovery, so that the finished products have better quality. low energy consumption, corvenient installation and maintenance, and low operation cost.

Structure

Organization chart :

- 1.Dewatering screen
- 2.Motor
- 3.Cyclone
- 4.Protect shield
5. Rubber spring
- 6.Water tank
- 7.Discharge part support leg
- 8.Slurry pump
- 9.Feed part support leg



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of screen (mm)	Cyclone specs (mm)	Power (kw)	Overall dimension (mm)
LZ1224D-55	LZ1224D-55	≤10	20-40	1200X2400	250X2	26.4	2760X4850X2780
LZ1530D-65	LZ1530D-65	≤10	30-60	1500X3000	300X2	36	3300X5250X3000
LZ1842D-75	LZ1842D-75	≤10	40-80	1800X4200	350X2	48	4600X5560X3520
LZ1842J-75	LZ1842J-75	≤10	60-100	1800X4200	350X2	52	4600X5560X3520
LZ2442J-120	LZ2442J-120	≤10	100-150	2400X4200	300X4	82	4600X6250X3600
LZ3048J-140	LZ3048J-140	≤10	120-200	3000X4800	350X4	104	5400X7000X4200
LZ3660J-180	LZ3660J-180	≤10	150-250	3600X6000	300X6	134	6600X7000X4800

LXHS Series Spiral Recycling Machine

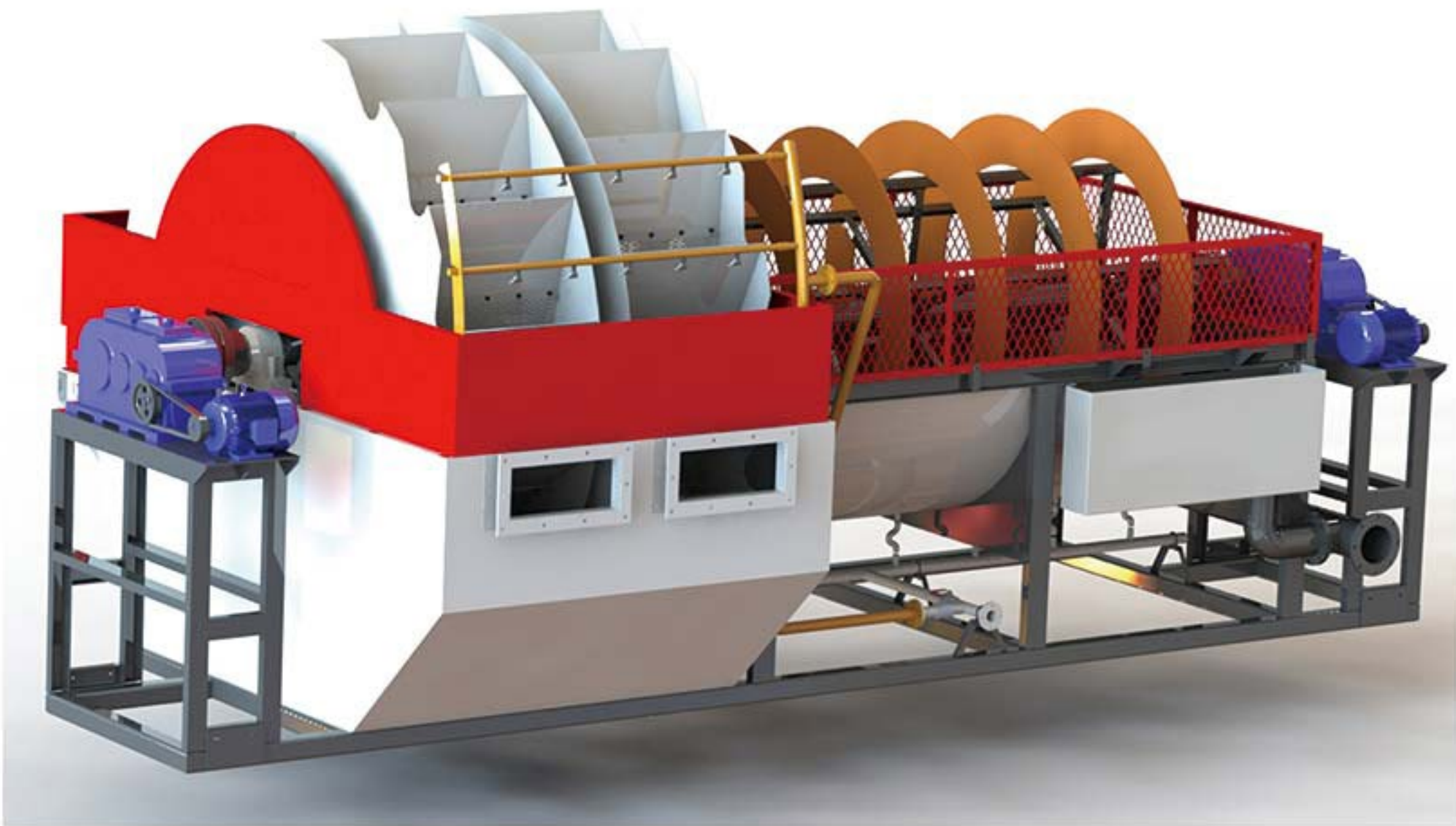
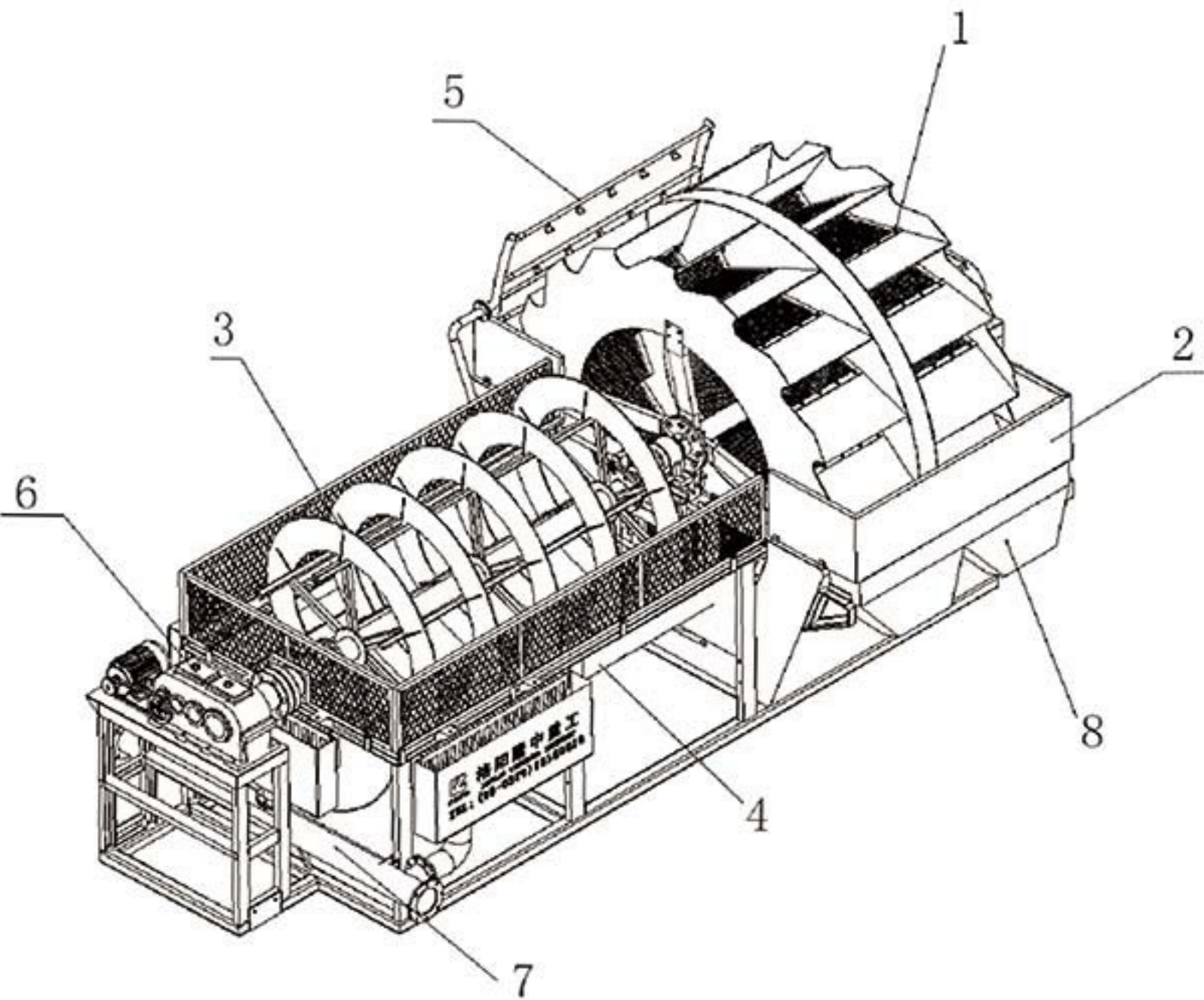
Product introduction

The equipment is improved based on the traditional wheel sand washer and fine sand recovery machine. It use natural precipitation of fine sand and spiral blade recovery device to achieve an ideal fine sand recovery effect, and at the same time, it is more energy saving compared with the traditional cyclone recovery method.

Structure

Organization chart :

- 1.New Wheel Sand Washing Device
2. Water tank
3. Spiral blade recovery unit
- 4.Fine sand recovery tank
5. Spray device
- 6.Motor and reducer
7. Backwashing line
8. Circuit



Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Specs of spiral (mm)	Specs of impeller (mm)	Power (kw)	Overall dimension (mm)
LXHS-30	LXHS-30	≤10	30-40	1500X3500	2600X1200	7.5	6800X2700X3400
LXHS-50	LXHS-50	≤10	40-60	1800X3500	3000X1600	11	7280X3160X3800
LXHS-80	LXHS-80	≤10	60-90	2200X3500	3600X2000	15	7900X3600X4500

Yk Series Circular Vibrating Screen

Simple structure

This vibrating screen has many advantages like long screening line, many screening grades, simple structure, reliable operation, low noise, low power consumption etc.

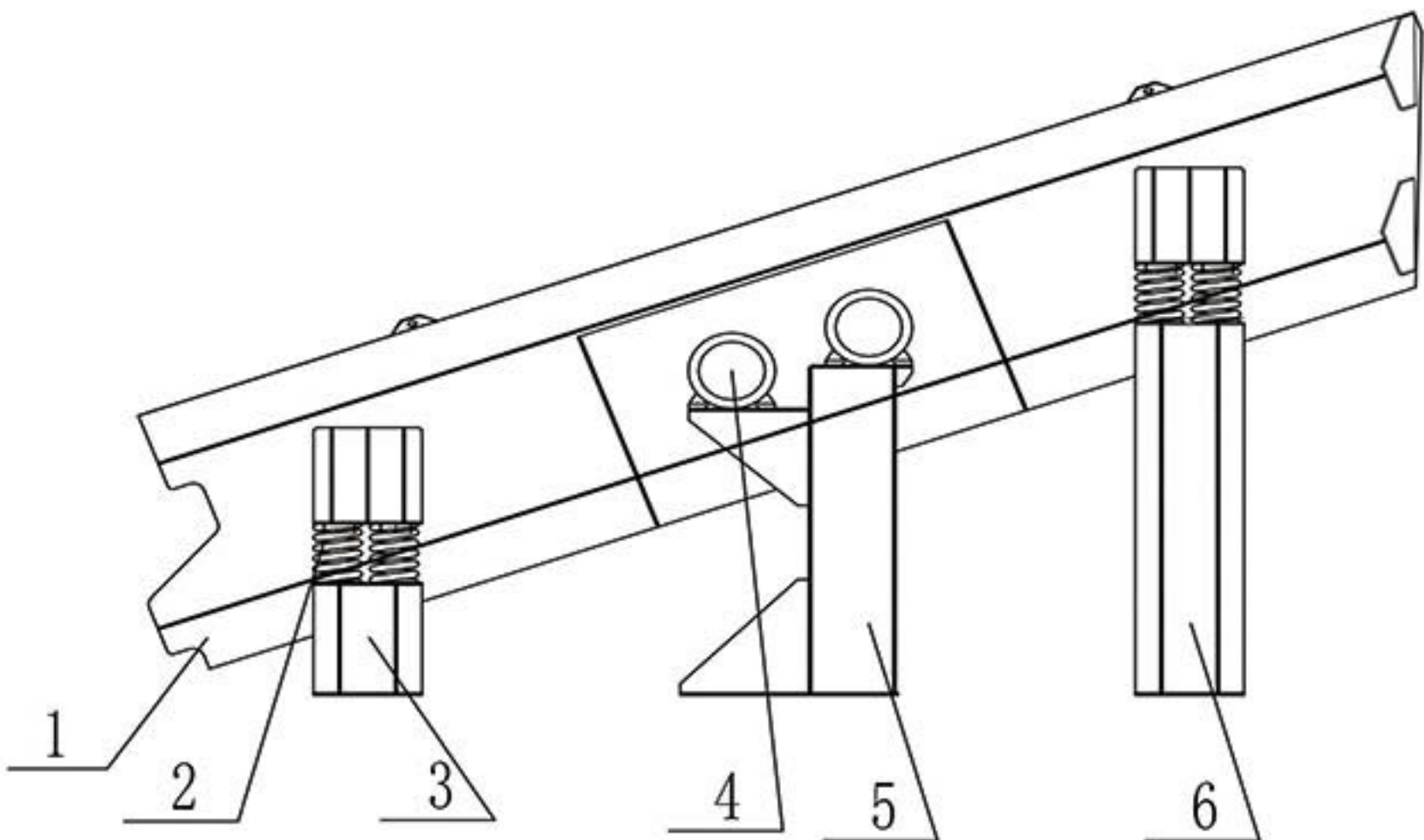
The circular vibrating screen is a multi-layer, high - efficiency machine, it can divide the material into different sizes. It is widely used in mining, construction, transportation, energy, chemical and other industries for screening and classification.



Structure

Organization chart :

- 1.Screen frame
- 2.Coil spring
3. Discharge part support frame
4. Motor
5. Motor support
6. Feed part support frame



Tech specifications

Order code	Model	Feeding size (mm)	Production (t/h)	Specs of screen mesh(mm)	Single layer screen area (㎡)	Power (kw)	Overall dimension (mm)
2YK1548	2YK1548	0-200	0-160	1500X4800	7.2	11	5000X2900X2900
2YK1860	2YK1860	0-200	0-200	1800X6000	10.8	15	6200X3400X3500
3YK1860	3YK1860	0-300	0-200	1800X6000	10.8	22	6200X3400X4100
2YK2160	2YK2160	0-200	0-250	2100X6000	12.6	22	6200X3700X3500
3YK2160	3YK2160	0-300	0-250	2100X6000	12.6	22	6200X3700X4100
2YK2460	2YK2460	0-200	0-300	2400X6000	14.4	22X2	6200X4100X3800
3YK2460	3YK2460	0-300	0-300	2400X6000	14.4	30X2	6200X4100X4400
2YK2472	2YK2472	0-200	0-300	2400X7200	16.8	22X2	7400X4000X4000
3YK2472	3YK2472	0-300	0-300	2400X7200	16.8	30X2	7400X4100X4600
2YK3072	2YK3072	0-200	0-300	3000X7200	21.6	30X2	7400X4700X4100
3YK3072	3YK3072	0-300	0-300	3000X7200	21.6	30X2	7400X4700X4700
3YK3672	3YK3672	0-300	0-350	3600X7200	25.92	37X2	7400X5400X4700

Triaxial Elliptical Vibrating Screen

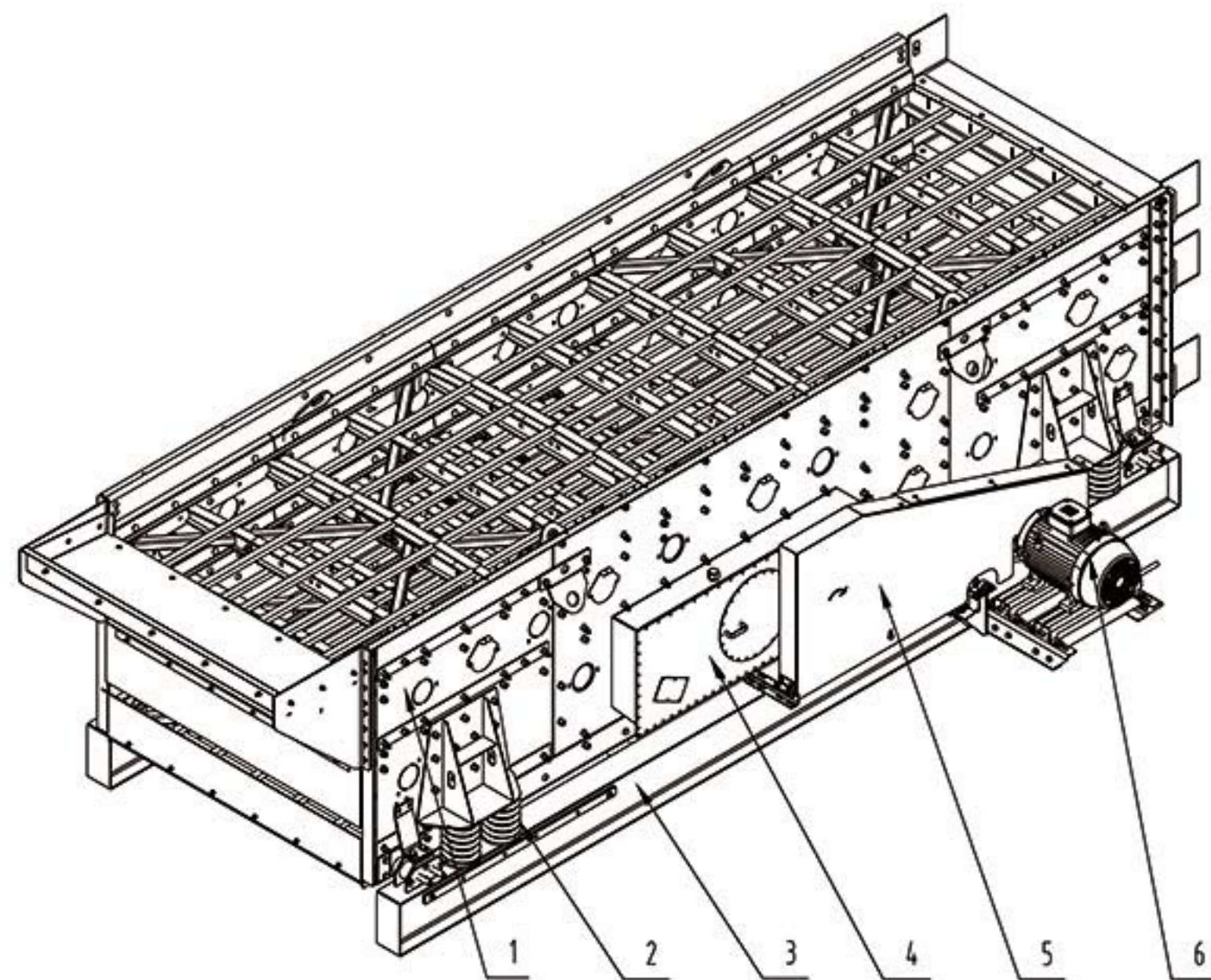
Overview - Application

Triaxial elliptical vibrating screen is suitable for dry and wet screening of coal, mine and gravel aggregate. It has small floor space, compact structure, and processing capacity is 70% higher than that of the same type of equipment. Besides, the equipment vibration amplitude, vibration frequency, and vibration direction angle can be adjusted according to different customer requirements.

Structure

Organization chart :

- | | | |
|----------------------|------------------------|-----------------|
| 1. Screen frame | 2. Spring | 3. Bottom frame |
| 4. Vibration exciter | 5. Transmission device | 6. Motor |



Triaxial elliptical vibrating screen is mainly composed of screen frame, spring, bottom frame, vibration exciter, transmission device, motor, screen mesh, etc.



Vibration exciter

1. The vibration exciter is composed of three parallel vibration shafts. One end of the vibration shaft at the side of screen box is equipped with three meshing gears with a speed ratio of 1.
2. Each gear is equipped with a counterweight plate with the same eccentric weight and eccentric radius, and the other end of vibration shaft is equipped with a counterweight plate with the same eccentric weight and eccentric radius. The relative position of counterweight plate and the gear can be changed, and it is positioned and fixed on the gear wheel by bolts.
3. Adjust the direction angle of screen by adjusting the relative position of counterweight plate on the three shafts to achieve different material transport speeds.

JR Banana Screen Introduction

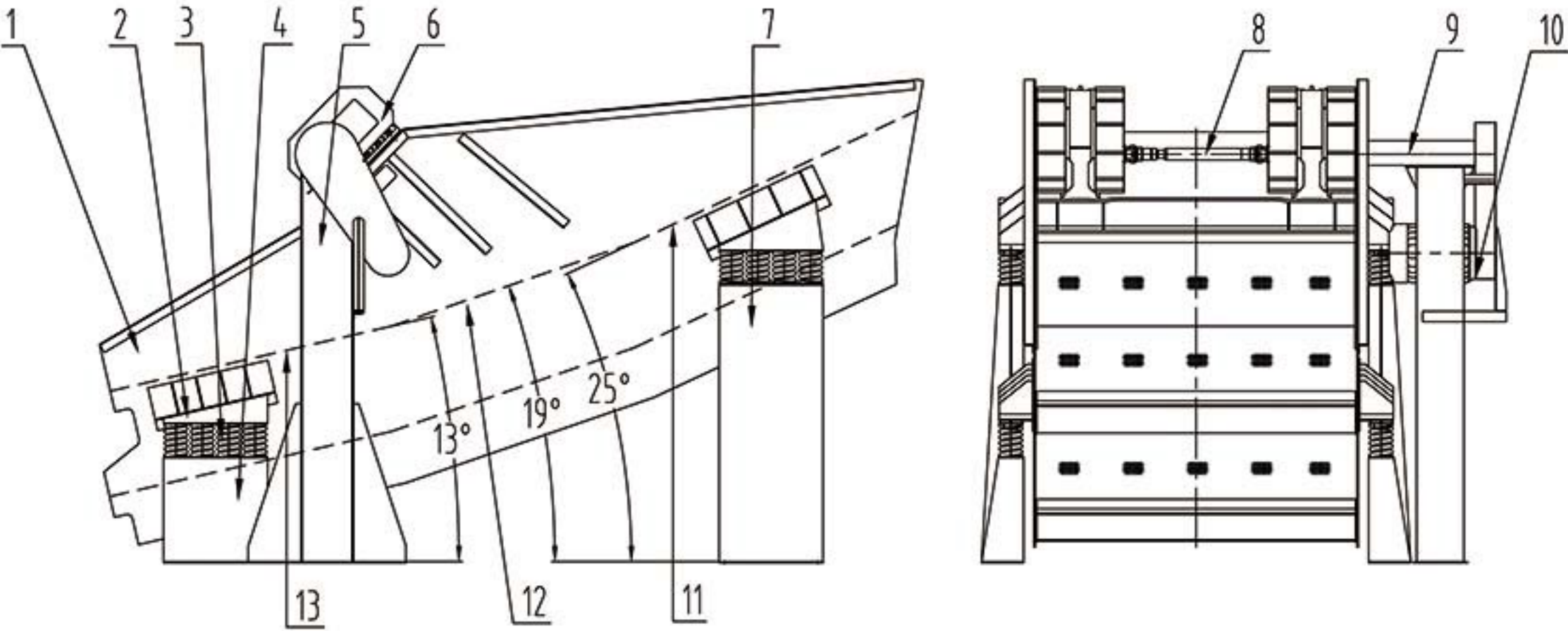
Application

JR banana screen is suitable for dry and wet screening of coal, mines, sand and gravel aggregates; it has grading, de-intermediation, desliming, and dehydration etc multi functions; According to different screening area and capacity, it adopts different screen slot size, number of screen surface segments and screen surface inclination angle, it has single-layer and double-layer products, working area 5.7m²~30.2m², total are 20 main specifications and models, which can basically meet various types of mines and coal preparation plant production needs.

Structure

Organization chart :

- 1.Screen frame
- 2.Spring support
- 3.Spring
- 4.Outlet support
- 5.Motor frame
- 6.Box type vibrator
- 7.Inlet support
- 8.Universal coupling
- 9.Transmission device
- 10.Motor
- 11.Inlet screen surface
- 12.middle section screen surface
- 13.Outlet screen surface



Banana screen is mainly composed of screen frame, spring, spring upper support, outlet support, motor frame, box type vibrator, inlet frame support, cross universal coupling, transmission device, motor, inlet screen surface, middle section screen surface and outlet screen surface.



Main beam

1. The main beam of the screen machine adopts a three-shaped beam structure, which overcomes the problem of poor force in the middle of the square beam.
2. Rib board is installed inside, which has high rigidity and light weight.
3. Post-weld annealing treatment to perfectly eliminate welding stress.
4. The surface is machined to ensure a tight connection with the screen machine and the vibrator.

Performance parameters

Single layer					Double layer				
Model	Layer	Screen Deck (W×L) (m)	Area (m ²)	Section	Model	Layer	Screen Deck (W×L) (m)	Area (m ²)	Section
JR1848	1	1.8×4.8	8.6	3					
JR1848	1	1.8×6.1	10.8	3	2JR1861	2	1.8×6.1	10.8	3
JR2448	1	2.4×4.8	11.5	3					
JR2461	1	2.4×6.1	14.4	3	2JR2461	2	2.4×6.1	14.4	3
JR2473	1	2.4×7.3	17.2	3	2JR2473	2	2.4×7.3	17.2	3
JR2485	1	2.4×8.5	20.1	3					
JR3061	1	3.0×6.1	18	3	2JR3061	2	3.0×6.1	18	3
JR3073	1	3.0×7.3	21.6	3	2JR3073	2	3.0×7.3	21.6	3
JR3085	1	3.0×8.5	25.2	3					
JR3661	1	3.6×6.1	21.6	3	2JR3661	2	3.6×6.1	21.6	3
JR3673	1	3.6×7.3	25.9	3	2JR3673	2	3.6×7.3	26	3

GT Series Trommel Screen

Product introduction

The trommel screen is widely used when screening. It has the characteristics of high screening precision, simple structure, large workload, durability, low use cost and convenient maintenance.

Product advantages

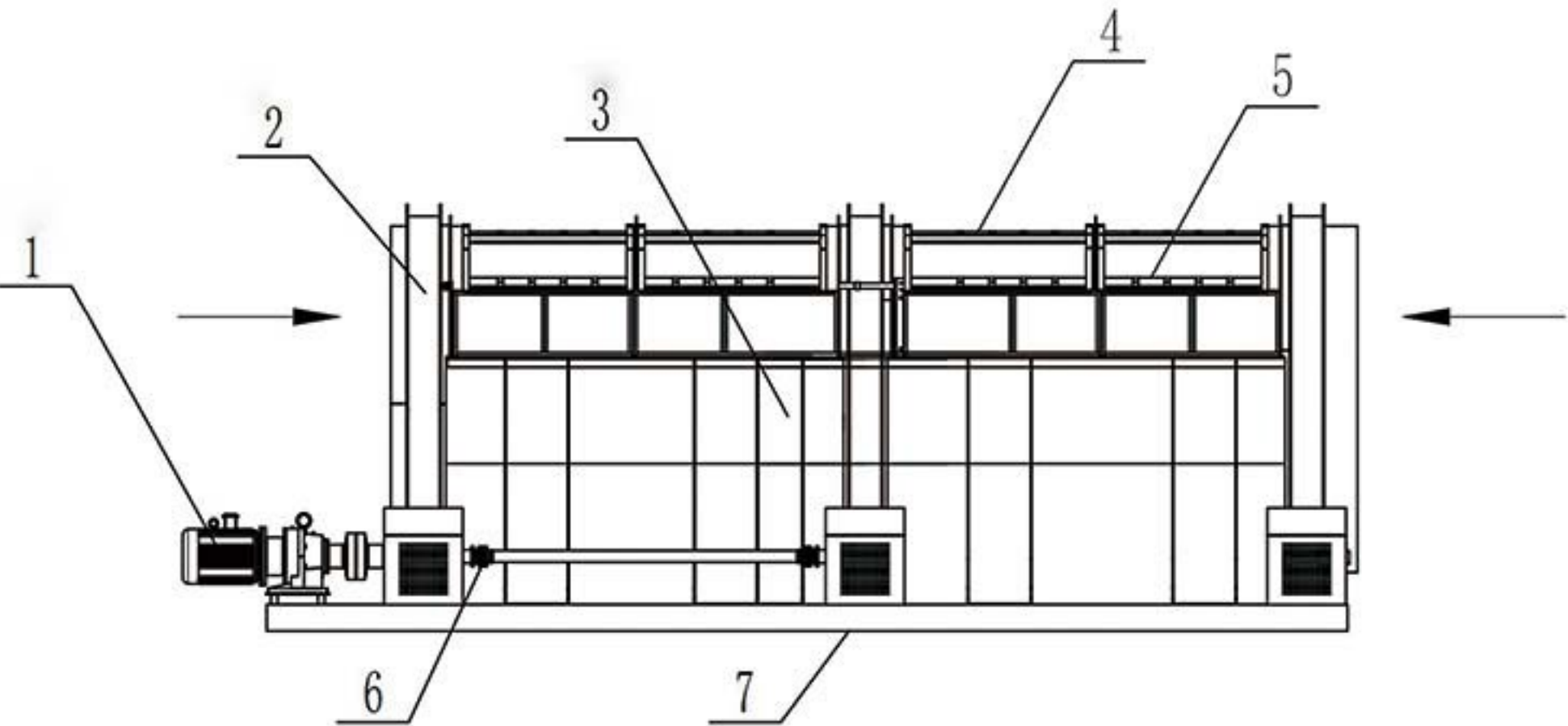
- Cost saving
- Simple structure, convenient maintenance
- Stable performance
- Stable operation, low noise



Structure

Organization chart :

- 1.Motor reducer assembly
- 2.Screen assembly
- 3.Screen guard plate
- 4.Roller brush
- 5.Spray system
- 6.Drive system
- 7.Underframe



Tech specifications

Order code	Model	Feed size (mm)	Capacity (t/h)	Specs of trommel(mm)	Inclination of trommel(°)	Power (kw)	Overall dimension (mm)
YGT1040	YG1040	≤50	30-60	1000X4000	6	3kw	5500X1460X2340
YGT1240	YGT1240	≤50	30-100	1200X4000	6	5.5kw	5500X1680X2480
YGT1560	YGT1560	≤50	30-150	1500X6000	6	11kw	6800X2100X4400
YGT1860	YGT1860	≤50	30-200	1800X6000	6	15kw	8490X2400X4680
YGT2160	YGT2160	≤50	30-200	2100X6000	6	18.5kw	8490X2760X5000
YGT2460	YGT2460	≤100	30-250	2400X6000	6	18.5kw	8490X3020X5200
WGT1560	WGT1560	≤100	30-150	1500X6000	5-10	7.5kw	6800X2100X4400
WGT1860	WGT1860	≤100	30-200	1800X6000	5-10	11kw	8490X2400X4680
WGT2160	WGT2160	≤100	30-250	2100X6000	5-10	15kw	8490X2760X5000
WGT2480	WGT2480	≤100	30-300	2400X8000	5-10	22kw	8700X2860X5700
WGT3080	WGT3080	≤100	30-400	3000X8000	5-10	37kw	8800X3660X5800

Rotary Trommel Scrubbers

Product introduction

LZZG rotary trommel scrubbers are cylindrical drum type stone scrubbers. Which are mainly used for cleaning, desliming of gravels, aggregates, sandstone and ore, espical lump ores that are hard to clean.

LZZG rotary drum scrubber has a large-sized feed materials ability(materials within 0-300mm), sludge content of washed aggregates is less than 0.5%, the water content is less than 2%, and the ore washing efficiency is about 98%. LZZG rotary trommel scrubbers divided into two types: cylinder type and cylinder +trommel screen type.



Working principle

When working, the cylindrical drum supported by 4 trunnion rollers rotates at low speed driven by motor. Aggregates containing mud and stone powder enters the rotating drum from inlet, lifted and dropped by wear-resistant rubber liners installed in the drum continuously, and scrubbed repeatedly by forward or reverse water flow.

After continuous scrubbing action, the cleaned gravels are discharged after being screening and dewatering through the discharge end drum screen, and the waste water containing sludge flows out through the perforated baffle of the inlet or outlet.

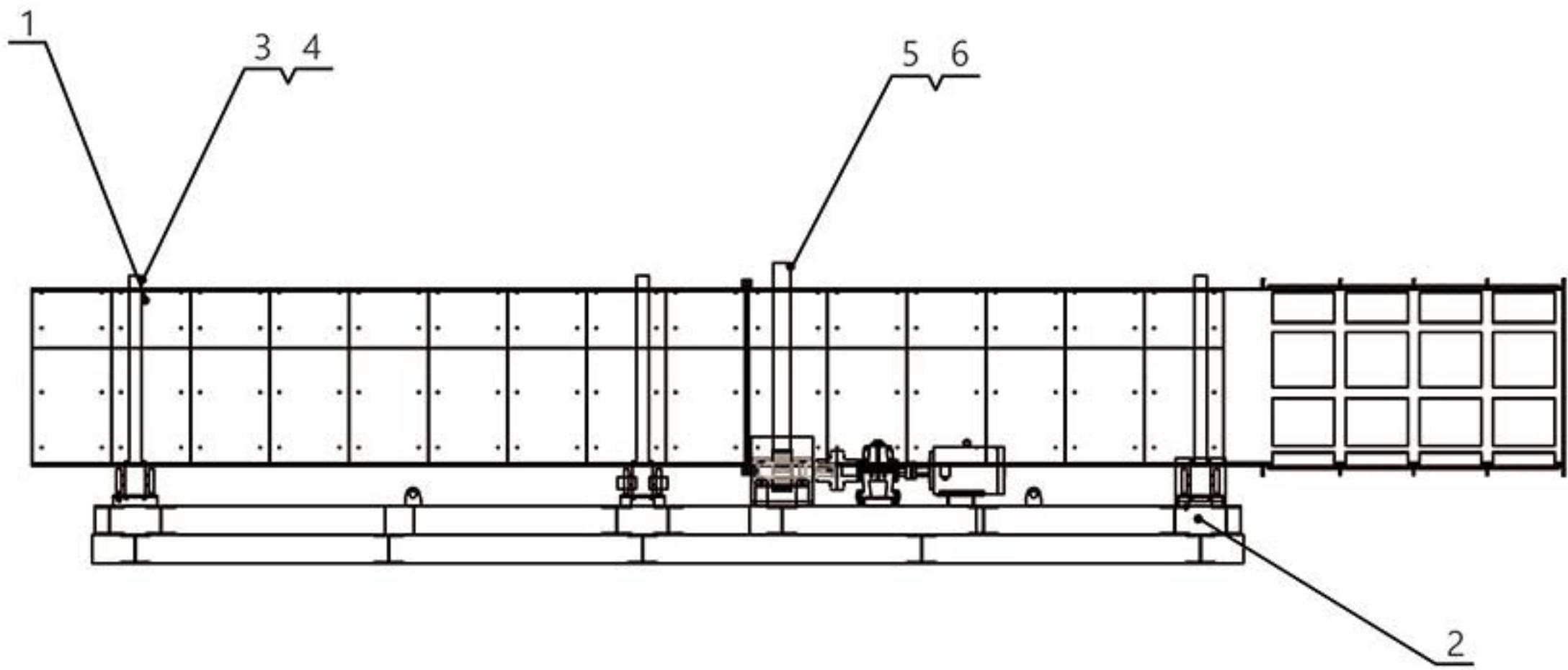
Tech specifications

Model	Maximum feed size (mm)	Cylinder diameter (mm)	Cylinder length (mm)	Drum speed (r/min)	Power (kw)	Capacity (t/h)
GTX1530	50	1500	3000	30	55	70-140
GTX1836	80	1800	3600	25	75	120-200
GTX2145	150	2100	4500	21	110	180-250
GTX2450	200	2400	5000	18	160	230-300
GTX2760	250	2700	6000	16	220	280-420
GTX3075	300	3000	7500	15	370	400-500

Structure

Organization chart :

1. Large gear support
2. Large gear
3. Orbital support rib plate
4. Orbit
5. Bottom frame and transmission components
6. Roller components



TS Series Linear Vibrating Screen

Product introduction

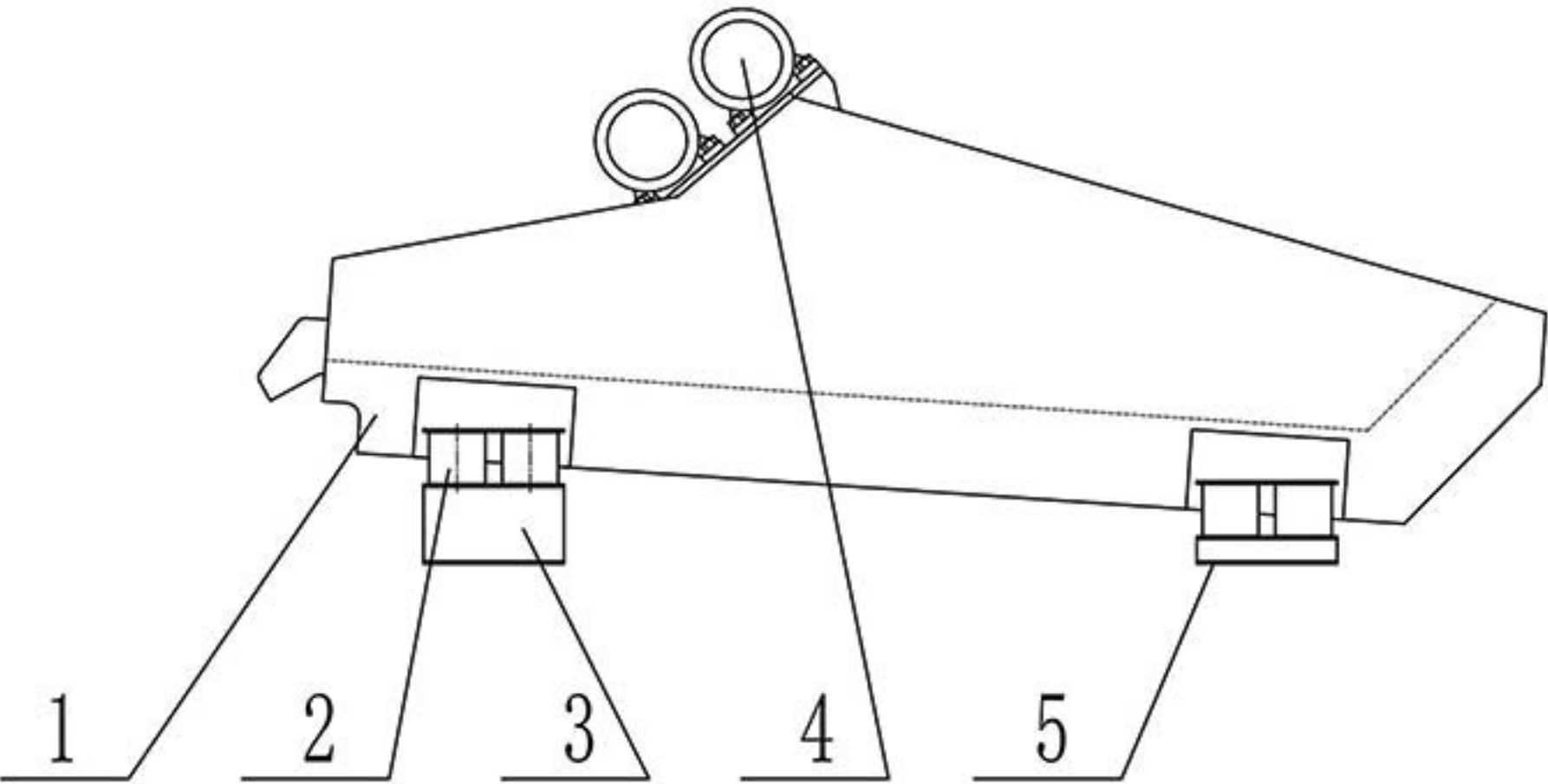
Dewatering screen is mainly used for dehydration,silt-removal etc, can be used in sand washing plant, coal plant, tailings dry discharge, etc., so also called sand and stone dewatering screen, mine dewatering screen, coal dewatering screen, tailings dewatering screen, high frequency dewatering screen.



Structure

Organization chart :

- 1.Screen frame
- 2.Rubber spring
- 3.Discharge part support frame
4. Motor
5. Feed part support frame



Tech specifications

Model	Feeding size (mm)	Capacity (t/h)	Specs of screen plate (mm)	Screen area (m²)	Power (kw)	Weight (kg)	Overall dimension (mm)
TS0918	≤10	10-20	900×1800	1.62	0.75×2	590	1890×1290×1080
TS0924	≤10	10-20	900×2400	2.16	1.1×2	750	2480X1290X1220
TS1224	≤10	20-40	1200×2400	2.88	2.2×2	1080	2480X1590X1430
TS1230	≤10	20-40	1200×3000	3.6	2.2×2	1230	3080X1590X1500
TS1236	≤10	20-40	1200×3600	4.32	3.0×2	1490	3680X1590X1500
TS1530	≤10	30-60	1500×3000	4.5	3.0×2	1360	3080X1890X1440
TS1536	≤10	30-60	1500×3600	5.4	3.7×2	2180	3680X1890X1450
TS1836	≤10	60-80	1800×3600	6.48	5.5×2	3350	3720×2420×1930
TS1842	≤10	60-80	1800×4200	7.56	5.5×2	3720	4370×2420×2100

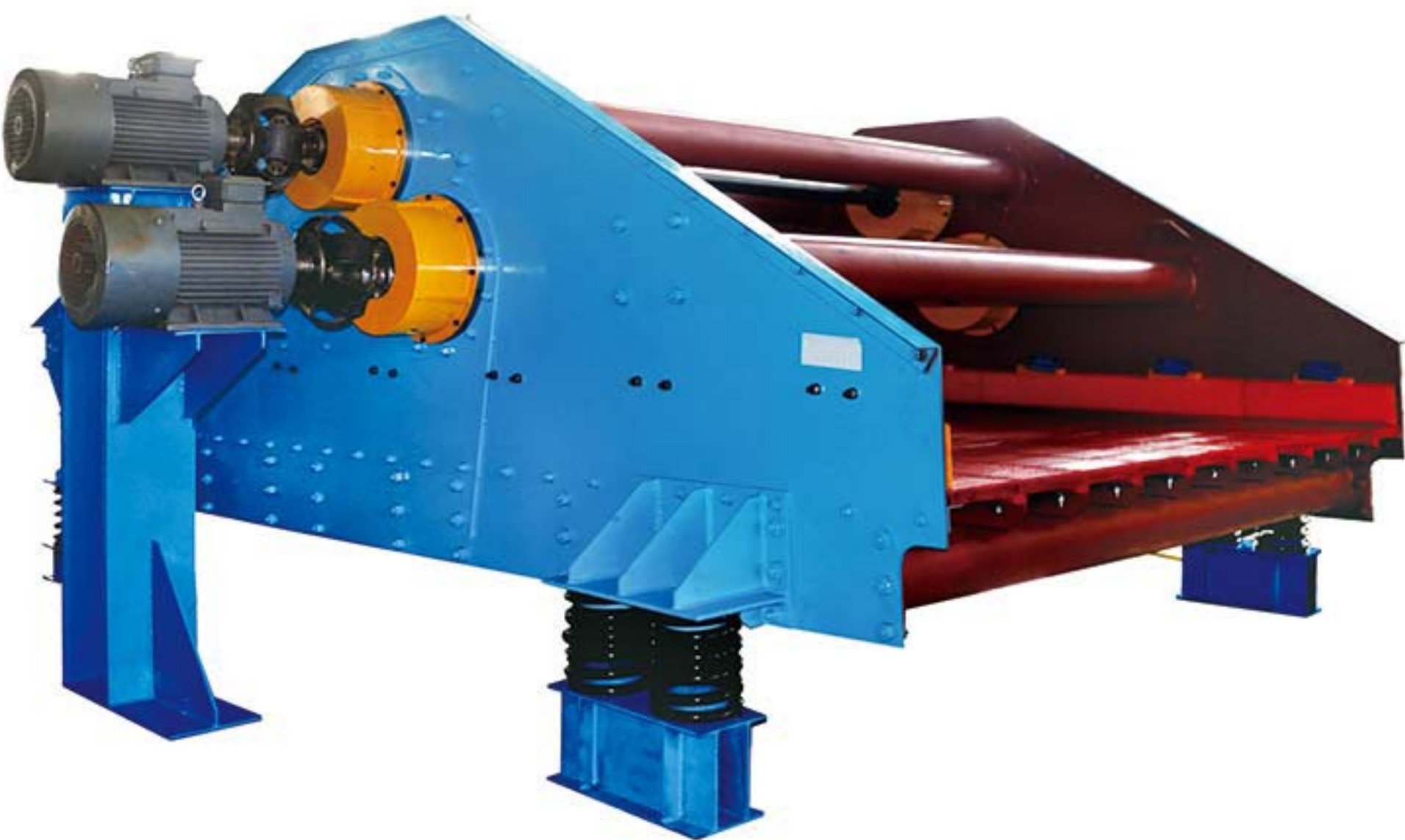
ZSD Series Tailings Dewatering Screen

Large capacity

High working frequency, high vibration intensity, low moisture, better performance.

Simple structure

The power source adopts vibration motor, no bearing, coupling and other vulnerable parts, simple structure, easy installation and maintenance, low maintenance cost, can work for 24 hours continuously.

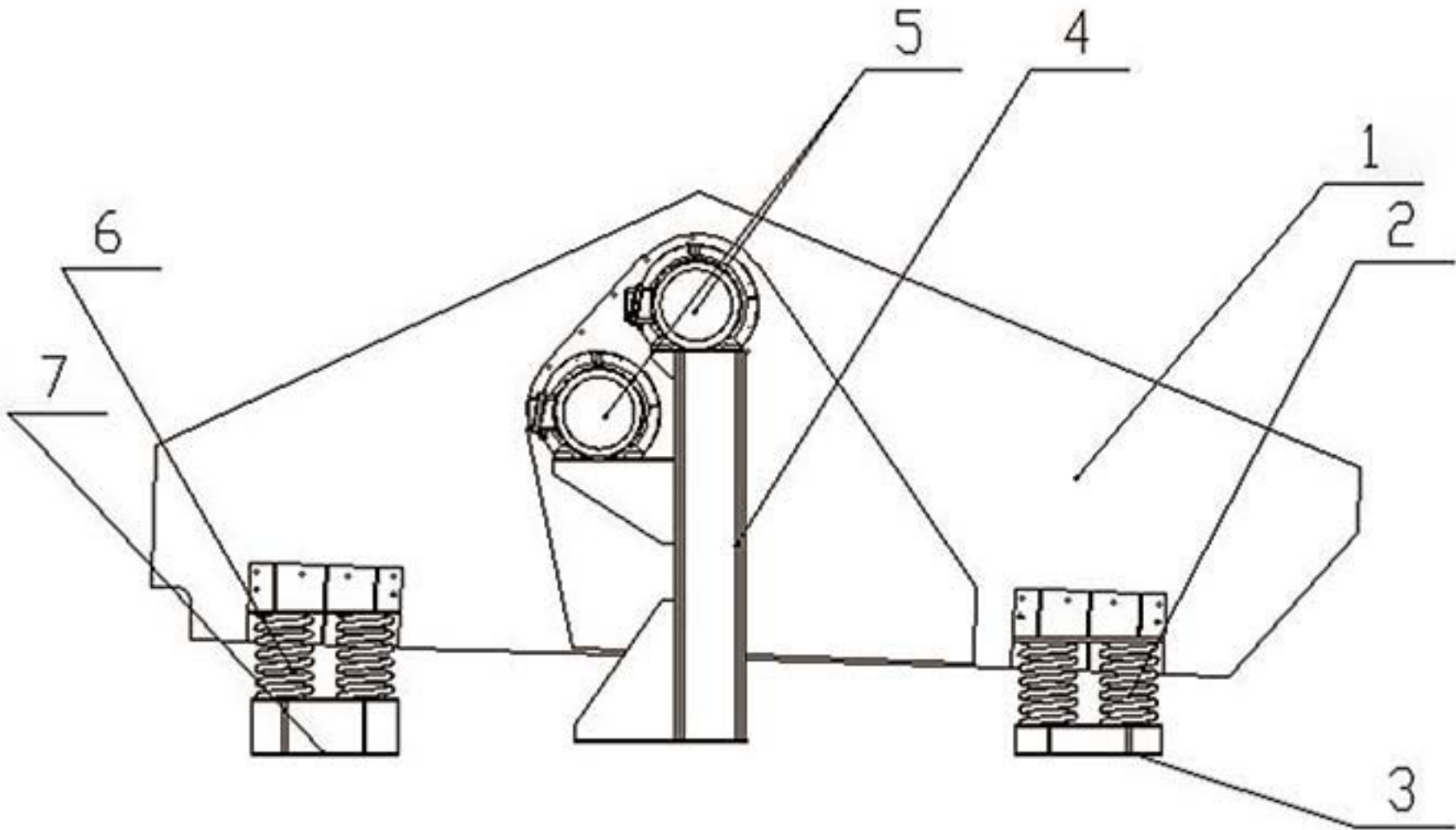


ZSD dewatering screen is suitable for smaller size materials, compared with the ordinary linear vibrating screen, this screen has large capacity, great dehydration effect, low moisture content, and other advantages. It is widely used in different industries.

Structure

Organization chart :

- 1.Screen frame
- 2.Feed end spring
3. Feed end spring base
4. Motor support
- 5.Motor
- 6.Discharge port spring
7. Discharge port spring base



Tech specifications

Order code	Model	Feed size (mm)	Capacity (t/h)	Specs of screen(mm)	Screen area (㎡)	Power (kw)	Overall dimension (mm)
ZSD1530	ZSD1530	≤10	30-60	1500X3000	4.5	3X2	3080X2500X1600
ZSD1842	ZSD1842	≤10	60-100	1800X4200	7.56	7.5X2	4370X3080X2000
ZSD1848	ZSD1848	≤10	60-100	1800X4800	8.64	7.5X2	4790X3065X1960
ZSD2442	ZSD2442	≤10	80-150	2400X4200	10.08	11X2	4400X3740X1930
ZSD2448	ZSD2448	≤10	80-150	2400X4800	11.52	11X2	5000X3740X1980
ZSD3048	ZSD3048	≤10	120-200	3000X4800	14.4	15X2	4960X4520X2220
ZSD3060	ZSD3060	≤10	120-200	3000X6000	18.0	18.5X2	6160X4520X2220
ZSD3660	ZSD3660	≤10	150-250	3600X6000	21.6	22X2	6160X5120X2280

ZK Exciter Vibrating Screen

Product introduction

The vibration source of the ZK exciter vibrating screen has been upgraded to a box-type exciter, featuring strong synchronization, stable operation, and simple adjustment. Excitation force and direction angle can be easily adjusted by adding/subtracting counterweights or changing their positions.

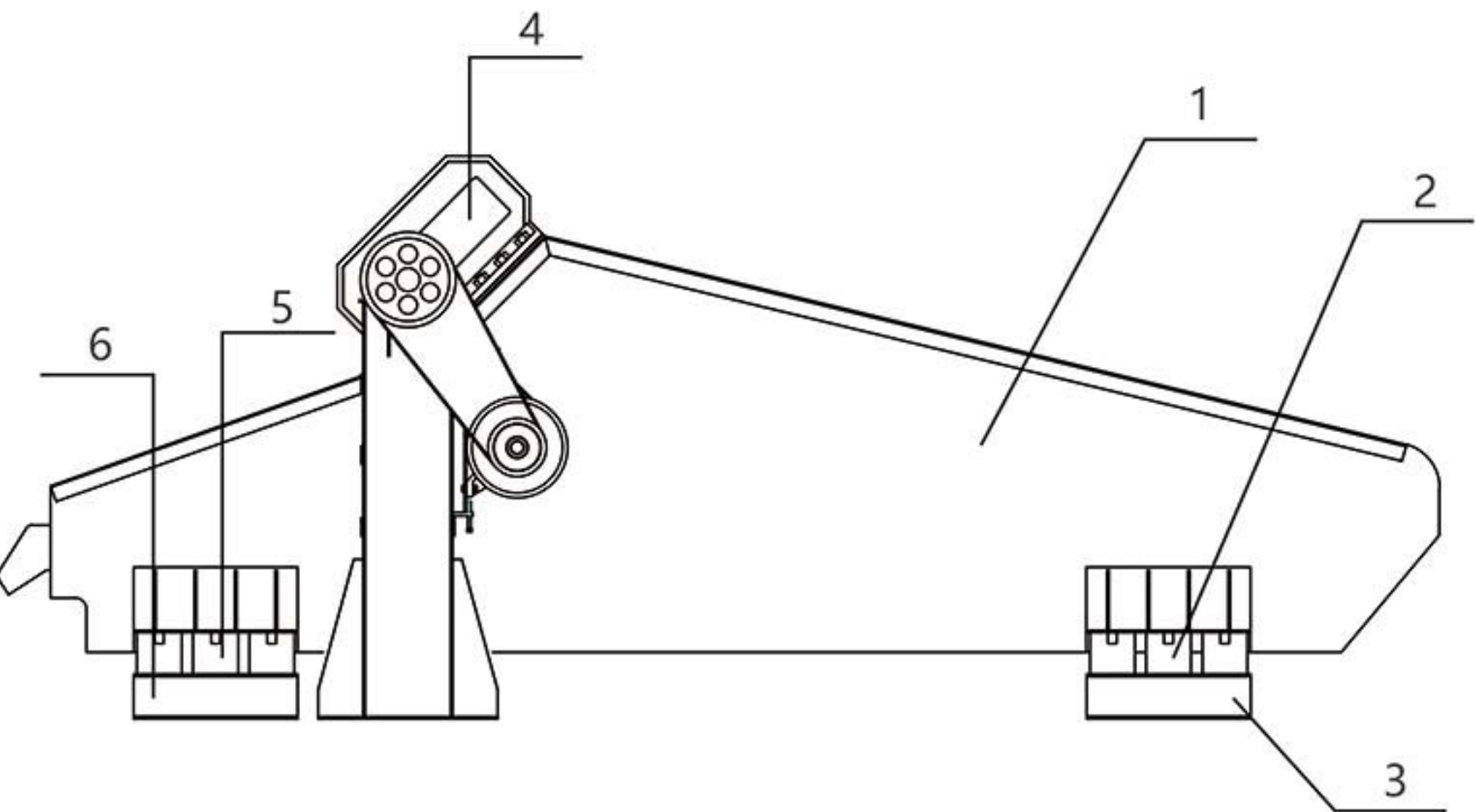
ZK exciter vibrating screen is suitable for horizontal screening and linear motion screening scenarios, widely used for dry/wet particle size classification of medium/fine materials dewatering and desliming.



Structure

Organization chart :

- 1.Screen frame
- 2.Feed end spring
3. Feed end spring base
4. Box Exciter
- 5.Discharge port spring
6. Discharge port spring base



Tech specifications

Model	Feed size (mm)	Capacity (t/h)	Screen Panel (mm)	Screen Area (㎡)	Power (kw)	Weight (kg)	Overall Size (mm)
ZK1230	≤10	10-20	1200X3000	3.6	3X2	1260	3085X1590X1440
ZK1236	≤10	10-20	1200X3600	4.32	3X2	1400	3680X1590X1600
ZK1530	≤10	30-60	1500X3000	4.5	5.5X2	1850	3080X2500X1600
ZK1536	≤10	30-60	1500X3600	5.4	5.5X2	2300	3200X2490X1800
ZK1836	≤10	60-100	1800X3600	6.48	7.5X2	3580	3760X3080X1990
ZK1842	≤10	60-100	1800X4200	7.56	7.5X2	3900	4370X3080X2000
ZK1848	≤10	60-100	1800X4800	8.64	7.5X2	4220	4790X3065X1960
ZK2442	≤10	80-150	2400X4200	10.08	11X2	4850	4400X3740X1930
ZK2448	≤10	80-150	2400X4800	11.52	11X2	5080	5000X3740X1980
ZK3048	≤10	120-200	3000X4800	14.4	15X2	7470	4960X4520X2220
ZK3060	≤10	120-200	3000X6000	18.0	18.5X2	9100	6160X4520X2220
ZK3648	≤10	150-250	3600X4800	17.28	22X2	10000	4960X5120X2280
ZK3660	≤10	150-250	3600X6000	21.6	22X2	12200	6160X5120X2280



Product introduction

Grizzly screen consists of parallel steel bars or rods, with gaps (screen apertures) designed according to screening requirements, typically exceeding 50mm and minimally reaching 25mm. Grizzly screen usually called static grizzly rock screen is suitable for various industries and applications, including open-pit mining, recycling, crushing, and demolition.

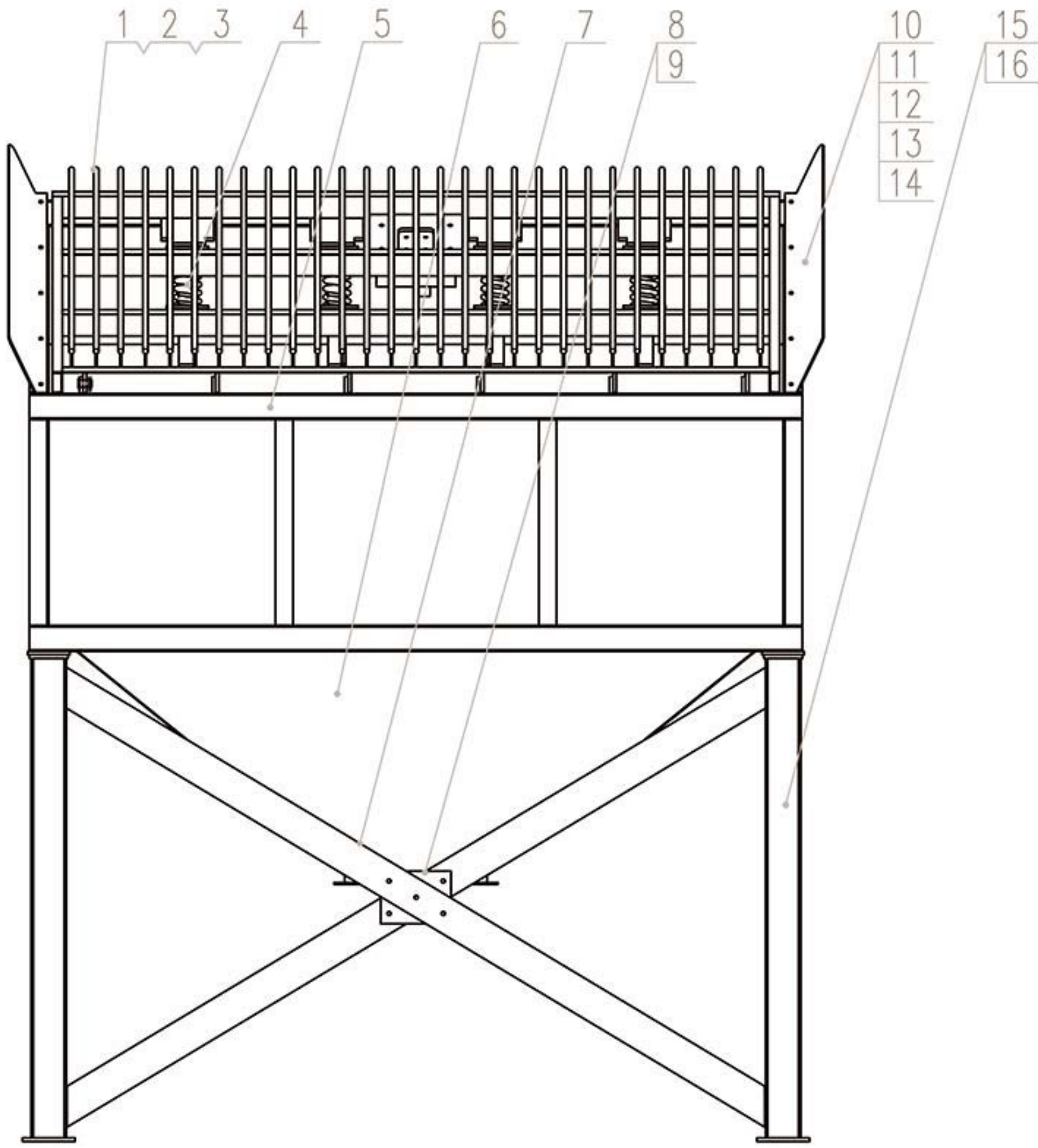
Working principle

Grizzly screen is installed at an incline angle, generally between 35°–50°. Angle selection depends on material properties (e.g., increased by 5°–10° for cohesive materials). Material is fed from the higher end, where undersized particles pass through the gaps as fines, while oversized particles slide along the surface as coarse discharge.

Structure

Organization chart :

- | | | |
|---|----------------------|---------------------|
| 1. Screening device | 2. Pin shaft | 3. Cotter pin |
| 4. Steel spring | 5. Straight box body | 6. Conical box body |
| 7. Inclined strut channel steel | 8. Connecting plate | 9. Bolt M20X60 |
| 10. Baffle plate (for blocking materials) | 11. Bolt M16X50 | 12. Nut M16 |
| 13. Spring washer | 14. Flat washer | 15. Support leg |
| 16. Bolt M20X70 | | |



Application scenarios

LSF Hydraulic Classifier is mainly designed for the screening and recovery of fine-grained sand and gravel. It can be used in mining, aggregate processing, piling mud, river dredging, coal slime separation, photovoltaic quartz sand raw material production and processing, ceramic raw material processing, silica sand processing, fracturing sand processing, and various metal tailings treatment.

Product introduction

The LSF hydraulic classifier is the most advanced fine particle classification equipment (based on gravity separation) with significant advantages in capacity, adaptability and efficiency.

LSF adopts a new "layer flow high shear rate" mechanism, which is the latest fine particle gravity separation technology.

Traditional technology cannot adapt to changes in feed particle size, resulting in recovery losses, while LSF is much more tolerant of changes in feed particle size.

Therefore, it has higher recycling and classification efficiency.



Structure

Organization chart :

1. Unloading device

3. Observation port

5. Discharge chamber

7. Feed inlet

9. Monitoring window

11. Support bracket

13. Cylinder
2. Pneumatic rod

4. Mixed chamber

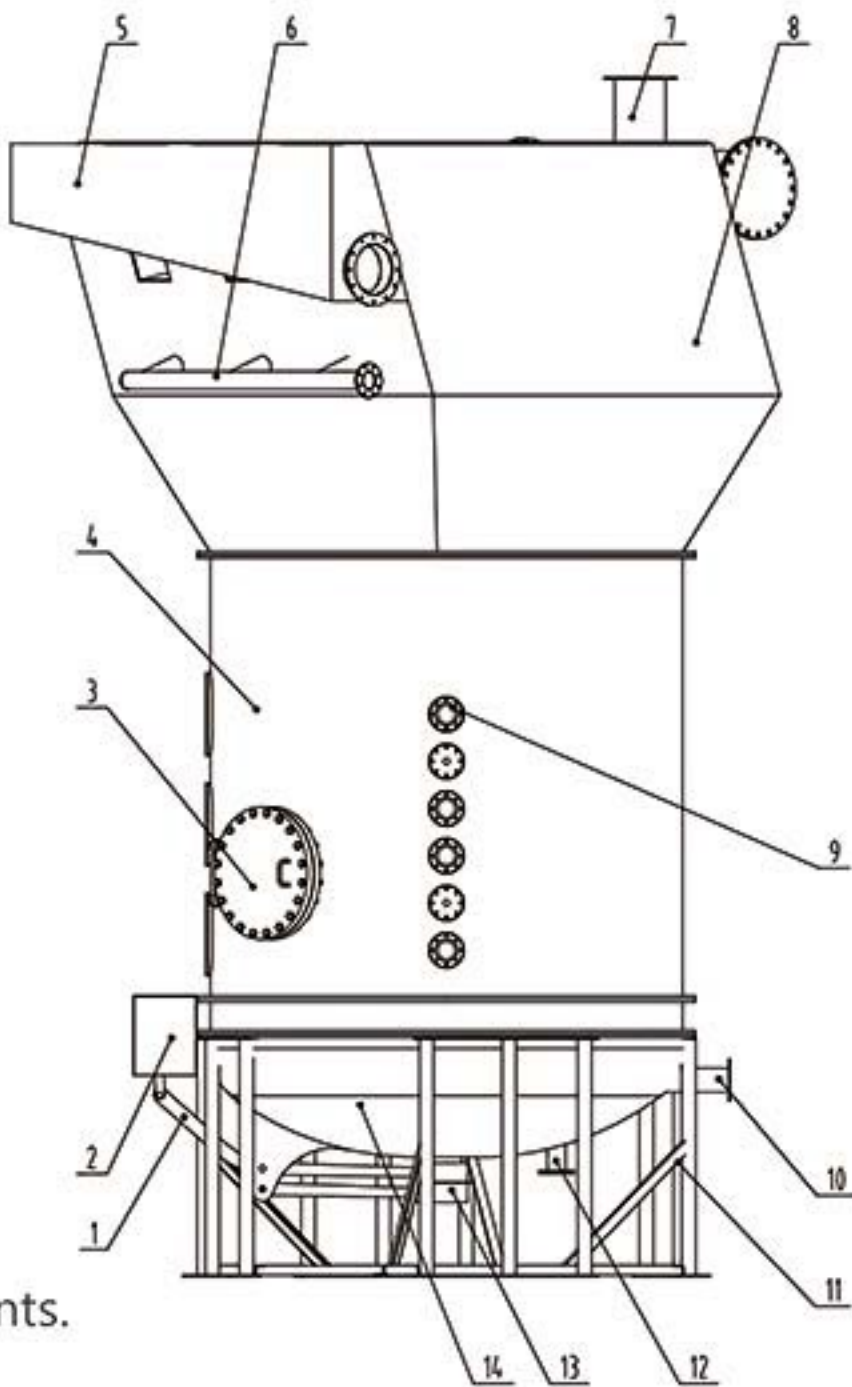
6. Filter outlet

8. Separation chamber

10. Qingshui mouth

12. Drainage outlet

14. Liquefaction chamber



Features

- 1. Configure according to specific on-site requirements.
- 2. Easy to transport and install.
- 3. Easy to adjust, flexible process, and higher efficiency.
- 4. Compact structure, easy to operate, suitable for any production line layout.
- 5. It can be remotely monitored and has a high degree of automation.
- 6. Reduce maintenance costs.
- 7.Environmentally friendly.

Tech specifications

Model	Feed particle size (mm)	Processing capacity (t/h)	Dimension (mm)
LSF 1100	0.04 ~ 2	40	4134*1987*6126
LSF 2000	0.04 ~ 2	100	4847*2845*6234
LSF 3000	0.04 ~ 2	200	6456*3665*6915
LSF 3600	0.04 ~ 2	300	7280*4484*7525

Thickener

Product overview

Thickeners are commonly used chemical equipment in the mining and metallurgical industries. The thickener uses physical and chemical principles to process the slurry to achieve the purpose of regulating and concentrating the slurry.

Thickeners are commonly used in mining, metallurgy and other industries to process various minerals, metals and non-metals. In addition, Thickeners can also be used in industrial wastewater treatment, environmental protection governance and other fields.

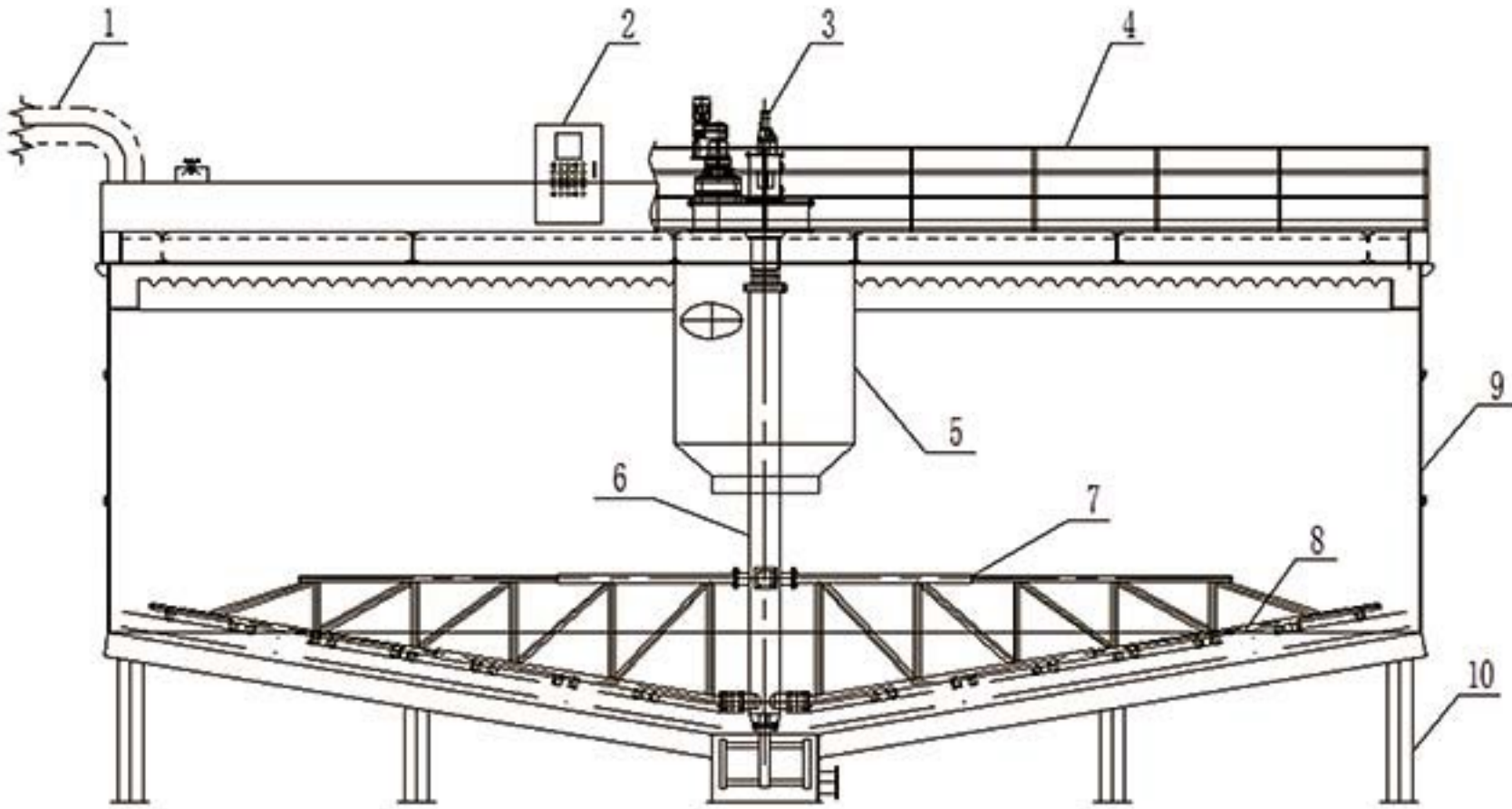
Product advantages

- 1. Large processing capacity per unit volume and high concentration efficiency.
- 2. Hydraulic multi-point drive, infinite speed regulation, high mechanical strength, with overload protection function.
- 3. The hydraulic rake lifting device is used for reliable operation.



Structure

- Organization chart :
- | | |
|---------------------|-----------------------|
| 1. Feed pipe | 2. Control cabinet |
| 3. Drive unit | 4. Fence |
| 5. Central cylinder | 6. Transmission shaft |
| 7. Beam | 8. Rake |
| 9. Straight tank | 10. Bracket |



Tech specifications

Model	diameter (m)	Settlement area (㎡)	Vertebral height (m)	conicity (°)	Processing water volume (m³/h)	Power (kw)	Dimension (mm)
NMJ-10	10	78	0.85	12	250-300	5.5	φ10000×7.9
NMJ-12	12	113	1.08	12	300-400	5.5	φ12000×8.1
NMJ-14	14	153	1.27	12	400-600	7.5	φ14000×8.3
NMJ-16	16	200	1.48	12	600-800	7.5	φ16000×8.5
NMJ-18	18	254	1.7	12	800-1000	7.5	φ18000×8.7
NMJ-20	20	314	1.9	12	1000-1300	7.5	φ20000×8.9
NMJ-22	22	380	2.12	12	1300-1600	7.5	φ22000×9.1
NMJ-24	24	450	2.23	12	1600-1900	7.5	φ24000×9.2
NMJ-26	26	530	2.55	12	1900-2300	11	φ26000×9.6
NMJ-28	28	615	2.76	12	2300-2700	7.5+4	φ28000×9.8
NMJ-30	30	708	2.97	12	2700-3100	7.5+4	φ30000×10

S Series Thickener

Rational structure

It adopts working principles like suspension filtration, medium adsorption and precipitation, no purification film and wearing parts.

Corrosion resistance

The tank is made of qualified carbon steel (or stainless steel, epoxy glass fiber reinforced plastic, etc), with good strength and corrosion resistance.

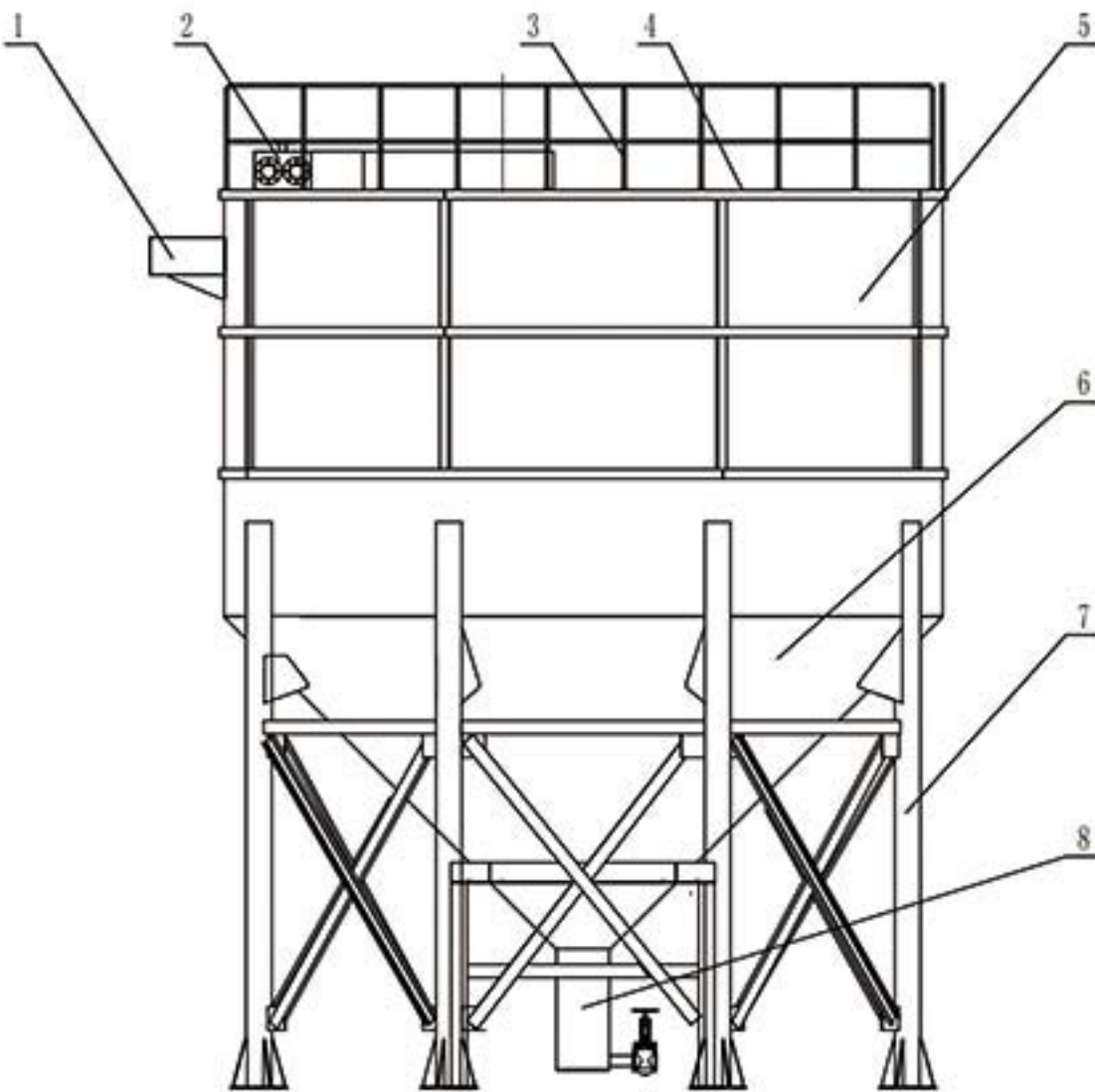
Durable

Service life is 10-15 years, low investment, remarkable economic benefit.

Structure

Organization chart :

- 1.Overflow box
- 2.Feeding opening
- 3.Guardrail
4. Platform
5. Tank part
6. Cone part
- 7.Support legs
- 8.Discharge mud pipe



This product machine is for rapid purification and precipitation, which can be combined with other machine to form a system production line, and is widely used in sand and gravel plants, mining plants, ceramics, glass and other industries.

Tech specifications

Order code	Model	Capacity (t/h)	Height (mm)	Volume (m³)	Overall dimension (mm)
S3040	S3040	< 50	φ3000X4000	35	φ3000X8860
S3060	S3060	50-100	φ3000X6000	50	φ3000X10860
S6030	S6030	100-150	φ6000X3000	100	φ6000X9400
S6040	S6040	150-200	φ6000X4000	130	φ6000X10400
S6050	S6050	200-250	φ6000X5000	160	φ6000X11400
S6060	S6060	250-300	φ6000X6000	190	φ6000X12400
S8045	S8045	350-400	φ8000X4500	260	φ8000X10600
S8060	S8060	400-500	φ8000X6000	300	φ8000X12100

G Series Chamber Filter Press

Product introduction

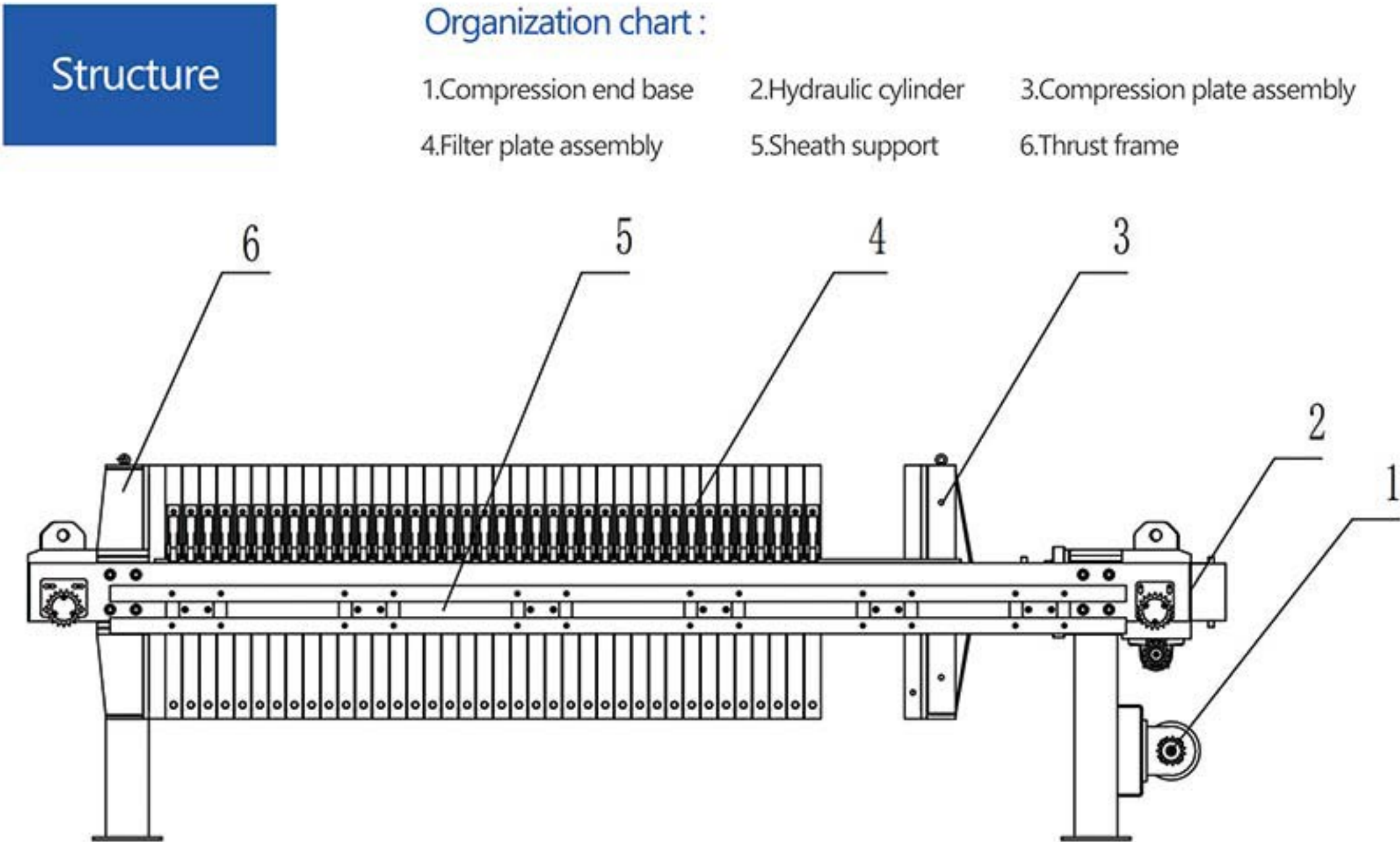
Certain number of filter plates are tightly arranged in a row under the strong mechanical force. filterchamber is formed between filter plates. The filter material is sent into the filter chamber under stonepositive poessure for filtration. The solid parts of material is intercepted by filter cloth to form filter cake, and the liquid part passes through the filter cloth and discharges from filter chamber to achieve the purpose of solid-liquid separation.

Product advantages

Strong adaptability, flexible selection range of filtration area and less land occupation.It has strong adaptability to its materials and is suitable for all kinds of sludge dewatering treatment. the main engine is welded with national standard square tube, the surface is derusted by high-pres□sure sand blasting and sprayed with four layers of carbon paint, which has the effect of anti acid and alkali corrosion for more than ten years. The filter cloth has good water permeability, is not easy to be blocked, and is easy to be cleaned and disassembled.



Compared with other types of dehydrators, the mud cake has the highest solid content, small floor area and convenient transportation.



Tech specifications

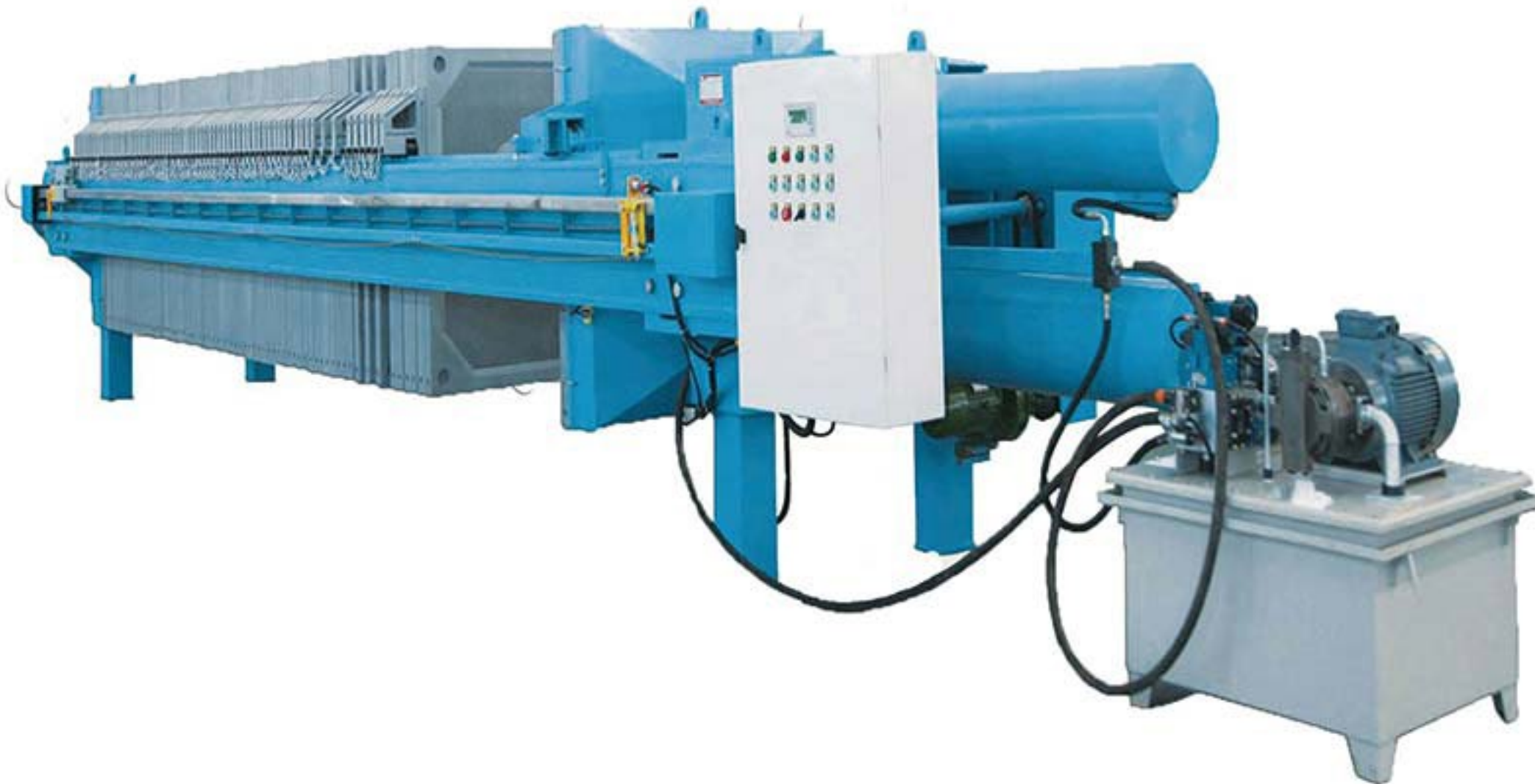
Order code	Model	Capacity (t/h)	Filter area (㎡)	Specs (mm)	Qty of filrer plate (block)	Fiter Pressure (mpa)	Overall dimension (mm)
G100-100	G100-100	2-3	100	1000X1000X60	62	0.6-0.8	7050X1625X1280
G250-125	G250-125	5-7	250	1250X1250X70	95	0.6-0.8	10630X2540X1640
G500-150	G500-150	11-12	500	1500X1500X78	128	0.6-0.8	14550X2820X1890
G800-200	G800-200	18-20	800	2000X2000X83	114	0.6-0.8	14700X3500X2390

GY Series Automatic Diaphragm Filter Press

Product advantages

Compared with ordinary filter press, after the feeding process is completed. Through the secondary pressing of filter cake, the dehydration efficiency of the whole machine is improved, the degree of filter cake is increased, the pollution is reduced and the labor cost is reduced. For general materials, the diaphragm and tympanic membrane can fully play the role of pressing and dehydration after 3-15 minutes.

The diaphragm filter press realizes the high-efficiency dehydration and filtration process, and can ensure the best filtration effect of the filter press and greatly reduce the moisture content of the filter cake. The control adopts PLC and man-machine interface.



The high pressure membrane filter press is equipped with a layer of elastic membrane plate between the filter plate and the filter cloth. During operation, when the feeding is finished, the high-pressure fluid will be injected between the filter plates and the membrane plate. At this time, the membrane plate will buige and press hte filter cake to achieve further dehydration, which is high-pressure squeeze filtration. it is mainly used for difficult-to-dehydrate materials pressing.

Structure

Organization chart :

1. Thrust plate assembly

2. High pressure diaphragm filter plate assembly

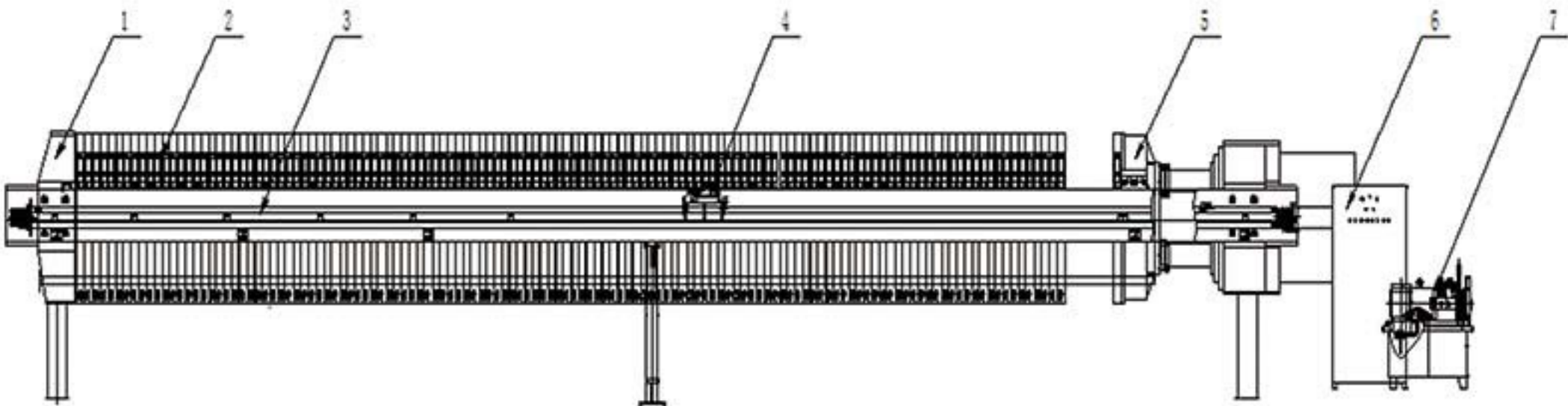
3. Host frame

4. Pull plate trolley

5. Hold down plate assembly

6. Electric control cabinet

7. Hydraulic station



Tech specifications

Order code	Model	Capacity (t/h)	Filter area (㎡)	Specs of plate (mm)	Qty of filter plate (block)	Fiter Pres sure (mpa)	Overall dimension (mm)
GY250-125	GY250-125	≤10	250	1250X1250X80X70	95	0.8-1.2	10930X2100X1620
GY500-150	GY500-150	≤10	500	1500X1500X85X75	128	0.8-1.2	14000X2750X1900

DY Series Belt Filter Press

Strong adaptability

Filter area selection range is flexible, less land. Good adaptability to materials, suitable for various sludge dewatering treatments.

Good material

Extrusion roll, driving roller, guide roller for high-quality seamless rigid tube outsourced wear-resistant rubber, guaranteed for 3 years.

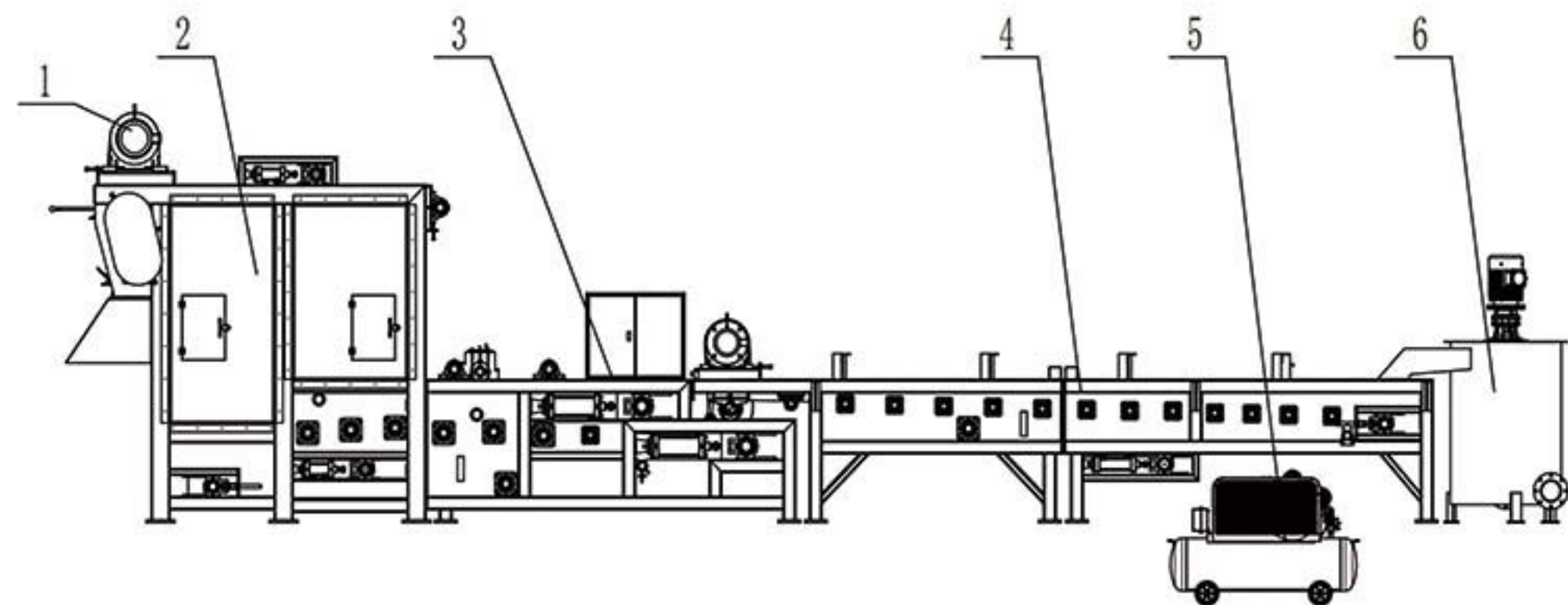


The equipment is a kind of pressure filtration equipment which is used to remove moisture from the slurry by winding two filter belts on a series of running rollers with different order and size, and by squeezing and shearing between the filter belts.

Structure

Organization chart :

- 1.Motor reducer assembly
- 2.Press dewatering zone
- 3.Wedge dewatering zone
- 4.Gravity dewatering zone
- 5.Air compressor
- 6.Distributing device



Tech specifications

Order code	Model	Production (t/h)	Filter belt width (mm)	Qty of filter belt (piece)	Main motor power(kw)	Overall dimension (mm)
DY1500	DY1500	6-10	1500	3	11	12000X2300X3200
DY2000	DY2000	8-12	2000	3	11	12000X2800X3200
DY2500	DY2500	10-16	2500	3	15	12000X3300X3200
DY3000	DY3000	12-20	3000	3	15	12000X3800X3200

ZD Series Automatic Dosing System

Product introduction

The equipment is suitable for mud purification and recovery in water and electricity, urban construction bridge pile foundation and other positive and negative circulation holes and mud and water balance shield construction. It can not only reduce the construction cost and improve the efficiency of drilling, but also reduce the mud discharge and stuck drilling accidents, which is one of the basic civilized construction equipment.

Product advantages

Compact and reasonable structure, effectively reduce the workload of structural design and site installation time, reduce the floor space. this machine is equipped with a plate level meter, which can be displayed real time and has the pump-stop protection function when liquid level is low.



It can realize local manual regulation and automatic dosing. It is safe and convenient to put into operation, commissioning and operation. The solution tank is equipped with plate liquid level gauge. It is displayed locally and has the function of low liquid level pump shutdown protection.

Structure

Organization chart :

1. Water inlet system

4. Automatic control cabinet

7. Powder conveyor

10. Powder storage box
2. Storage box

5. Dissolving medicine box

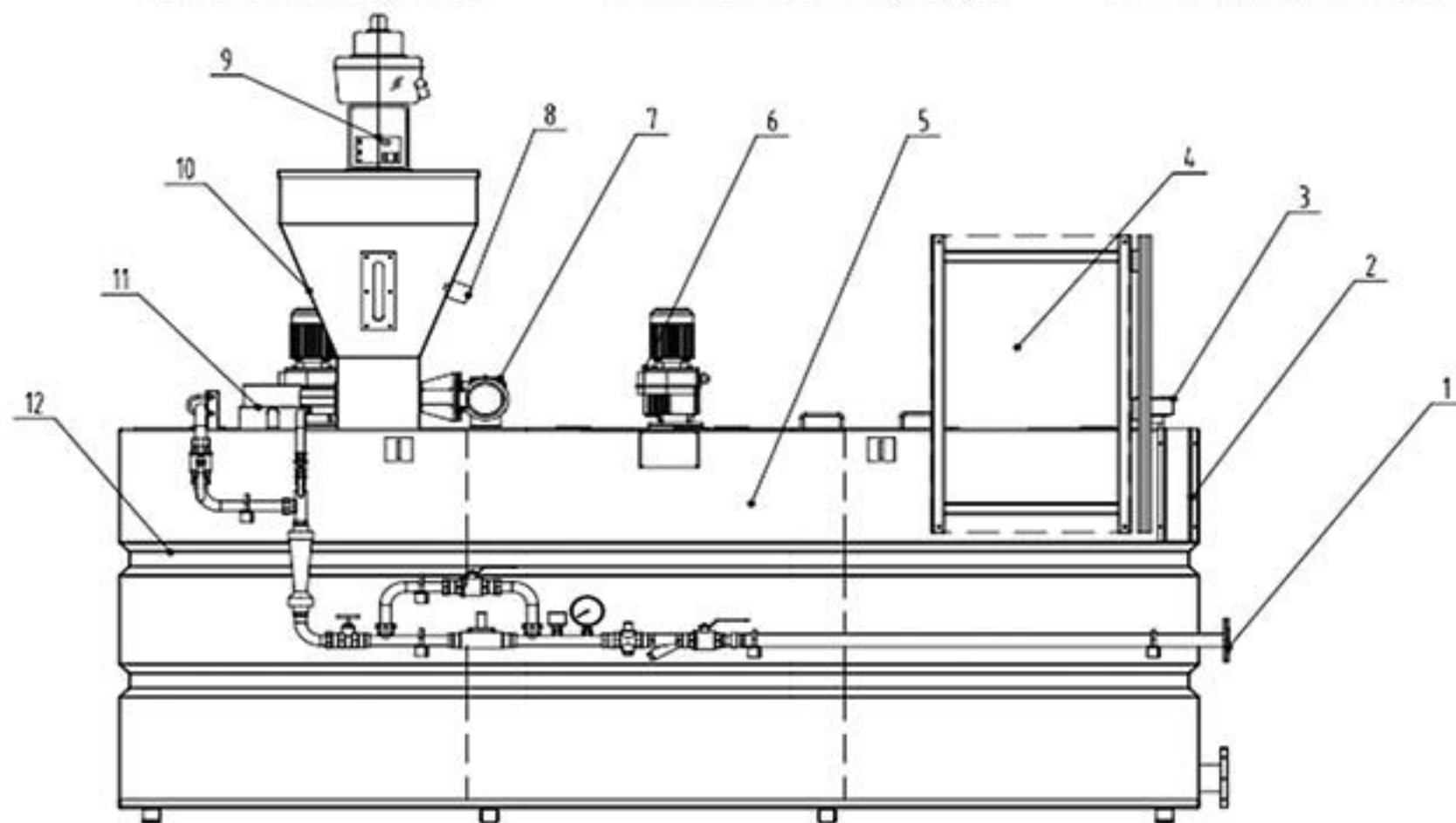
8. Rotary resistance switch

11. Powder receiving hopper
3. Liquid level meter

6. Mixing device

9. Automatic suction machine

12. Mixing medicine box



Tech specifications

Order code	Model	Dosage (m³/h)	Box volume (m³)	Power (kW)	Overall dimension (mm)
ZD15	ZD1500	3	1.5	4.5	1600X950X1890
ZD30	ZD3000	5	3	6.4	3250X1600X2500
ZD50	ZD5000	10	5	9.6	3400X2000X2800
ZD100	ZD10000	20	10	16.5	5000X2000X3000

JH-FX Series Mud Purifier

Product introduction

The equipment is suitable for mud purification and recovery in water and electricity, urban construction, bridge pile foundation and other positive and negative circulation holes and mud and water balance shield construction.It can not only reduce the construction cost and improve the efficiency of drilling, but also reduce the mud discharge and stuck drilling accidents, which is one of the basic civilized construction equipment.

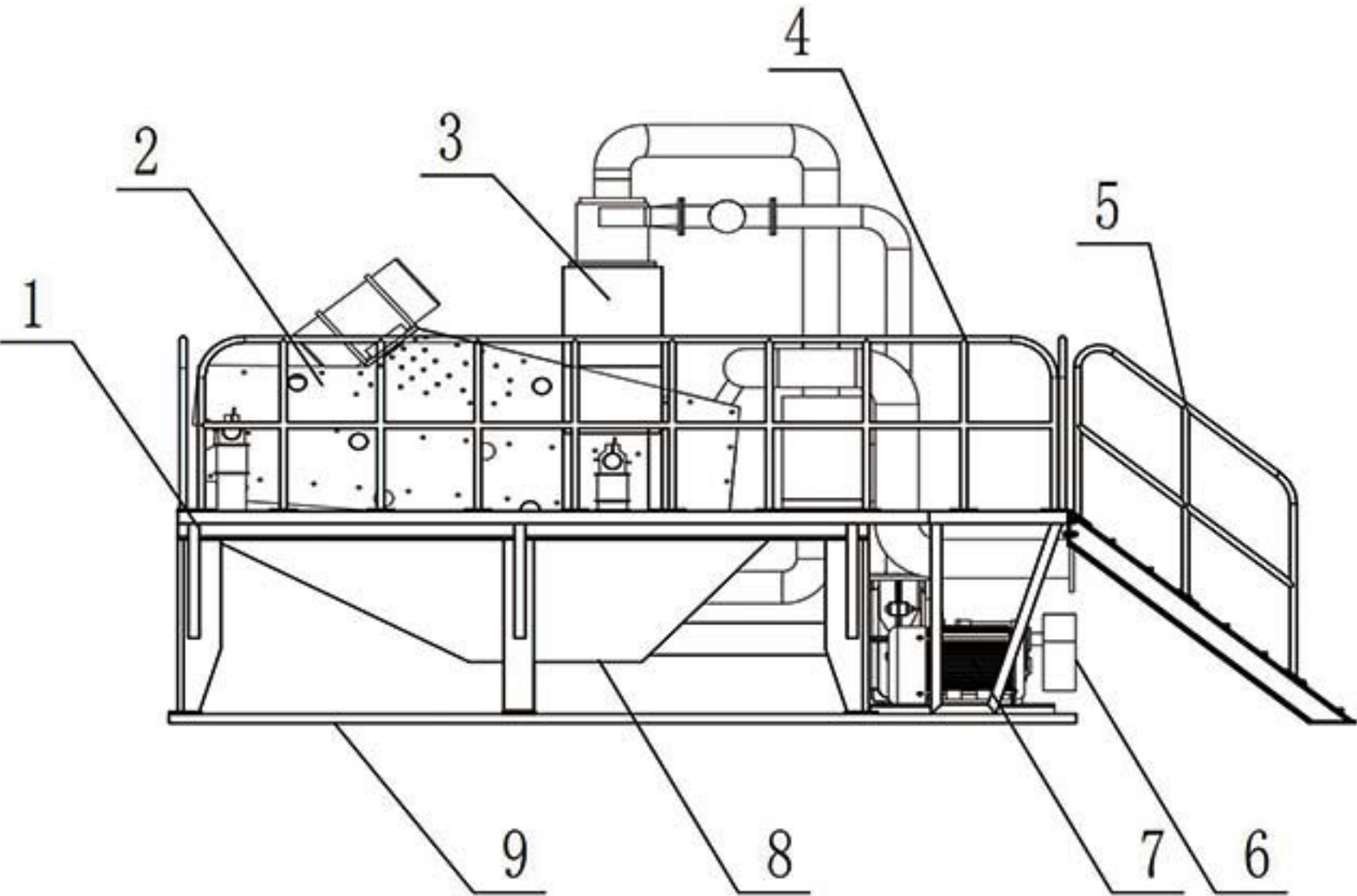
Good purification effects

The mud purification effect is good, waste slurry can be recycled. after the mud purification machine separation, the sludge content of waste water is <3%, sand water content is<15%.

Structure

Organization chart :

- 1.Maintenance platform
- 2.Double layer dewatering screen
- 3.Cyclone
- 4.Handrails
- 5.Ladder
- 6.Motor
- 7.Slurry pump
- 8.Water tank
- 9.Base



VFlexible variable diameter

The cyclone is custom-maded, which can be changed to 20 degrees, 15 degrees and 8 degrees, and can be adjusted according to different materials and concentrations.

Tech specifications

Order code	Model	Feeding size (mm)	Capacity (t/h)	Screen size (mm)	Screen layer (layer)	Cyclone (mm)	Overall dimension (mm)
JH-FX40	JH-FX40	≤10	10-20	900x1800	2	250	4900X2500X3100
JH-FX60	JH-FX60	≤10	20-50	1200x2400	2	300	5400X2800X3200
JH-FX80	JH-FX80	≤10	40-80	1500x3000	2	350	5800X3400X3600
JH-FX200	JH-FX200	≤10	60-100	1800x4200	2	300X2	7200X3800X4200
JH-FX300	JH-FX300	≤10	80-150	2400x4200	2	350X2	7200X4400X4600

YD Series Mobile Sand Washing Station

Product introduction

The whole equipment is composed of a mobile trailer chassis, screen, washer, dehydration recovery device,pump and motor components,conveyor belt, electric control and hydraulic system, etc.

Simple structure

Highly integrated and automated design eliminates make site layout, foundation installation and other tasks easy.

The whole

The whole machine is flexible, convenient, efficient, environmental protection with intelligent screening, washing, recycling, dehydration machine.

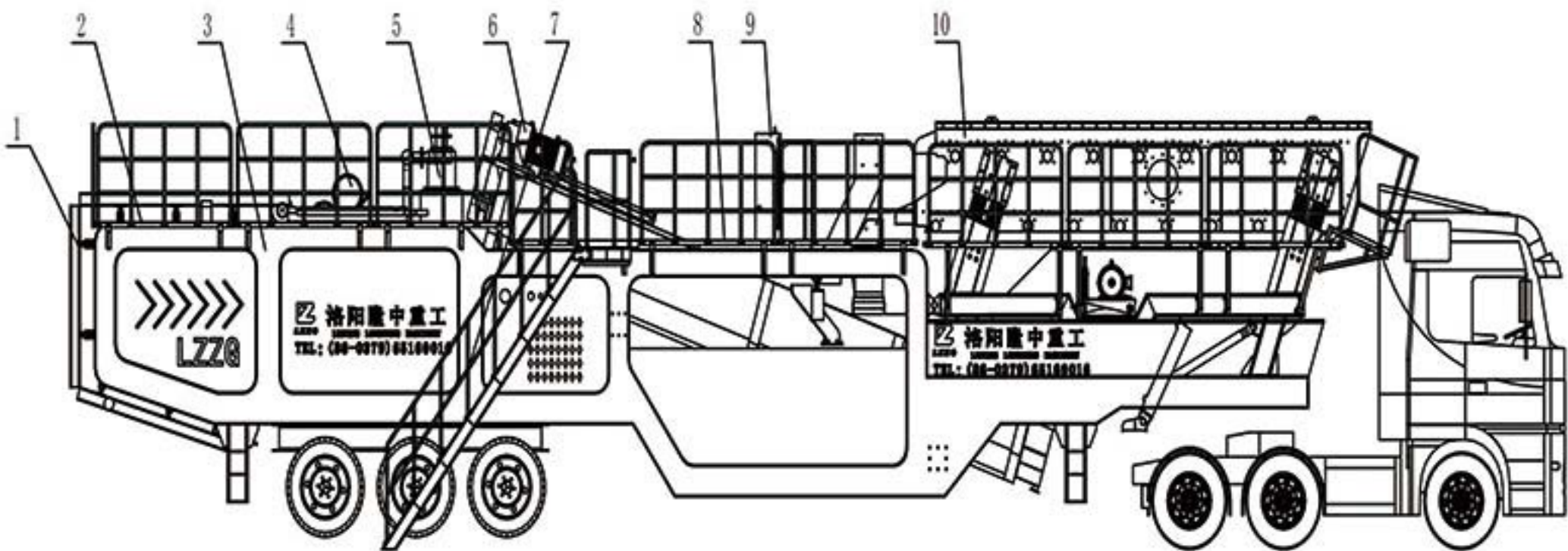


Customized service provides more flexible process and equipment configuration according to different material types and product requirements, meets user process requirements, has strong adaptability, can operate independently, and can also work in groups with crushing equipment and back-end tail water treatment equipment.

Structure

Organization chart :

- 1.Conveying system
- 2.Platform
- 3.Truck frame
- 4.Dewatering screen
- 5.Cyclone unit
6. Spiral sand washer
- 7.Ladder
- 8.Control cabinet frame
- 9.Control cabinet
- 10.Vibrating screen



Tech specifications

Order code	Model	Feed particle size (mm)	Processing capacity (t/h)	Screen specification (mm)	Spiral diameter (mm)	Sieve plate specification (mm)	Cyclone specification (mm)	Power (k/w)	Overall dimension (mm)
YD-50	YD-50	≤10	30-50	1500X4800	920	1200X2400	250X2	63	17500X3000X4800
YD-80	YD-80	≤10	50-80	1800X6000	1120	1500X3000	300X2	81.5	17500X3000X4800
YD-100	YD-100	≤10	80-120	2100X6000	920X2	1800X4200	350X2	126	17500X3000X4800

XS Ultra Sand Wash Plant

Ultra sand wash plant is the ideal choice for customers to perform washing, grading, scrubbing, purification, and dewatering of sand and gravel aggregates.

Ultra sand wash plant is designed to efficiently remove excess fines or coarse sand in a simplified manner. Ultra sand wash plants adopt an integrated structure, and the solid frame protects the internal precise transmission system, efficient cleaning components and intelligent control system.

LZZG ultra sand wash plant can be customized to meet specific requirements for sand and gravel plants.

Workflow

The mixed material firstly enters into the scrubber for friction washing, and then enters into the water tank under the screen through the chute, and then enters into the cyclone through pumping, and cleans and controls the water of the material under the action of centrifugal force, so as to achieve the separation of mud and sand.

The underflow material of the cyclone enters the coarse sand dewatering area of the linear screen for dewatering; while the overflow material enters the water tank through the return pipe for circulating cleaning and replenishing the water tank, thus realizing the efficient sand washing.

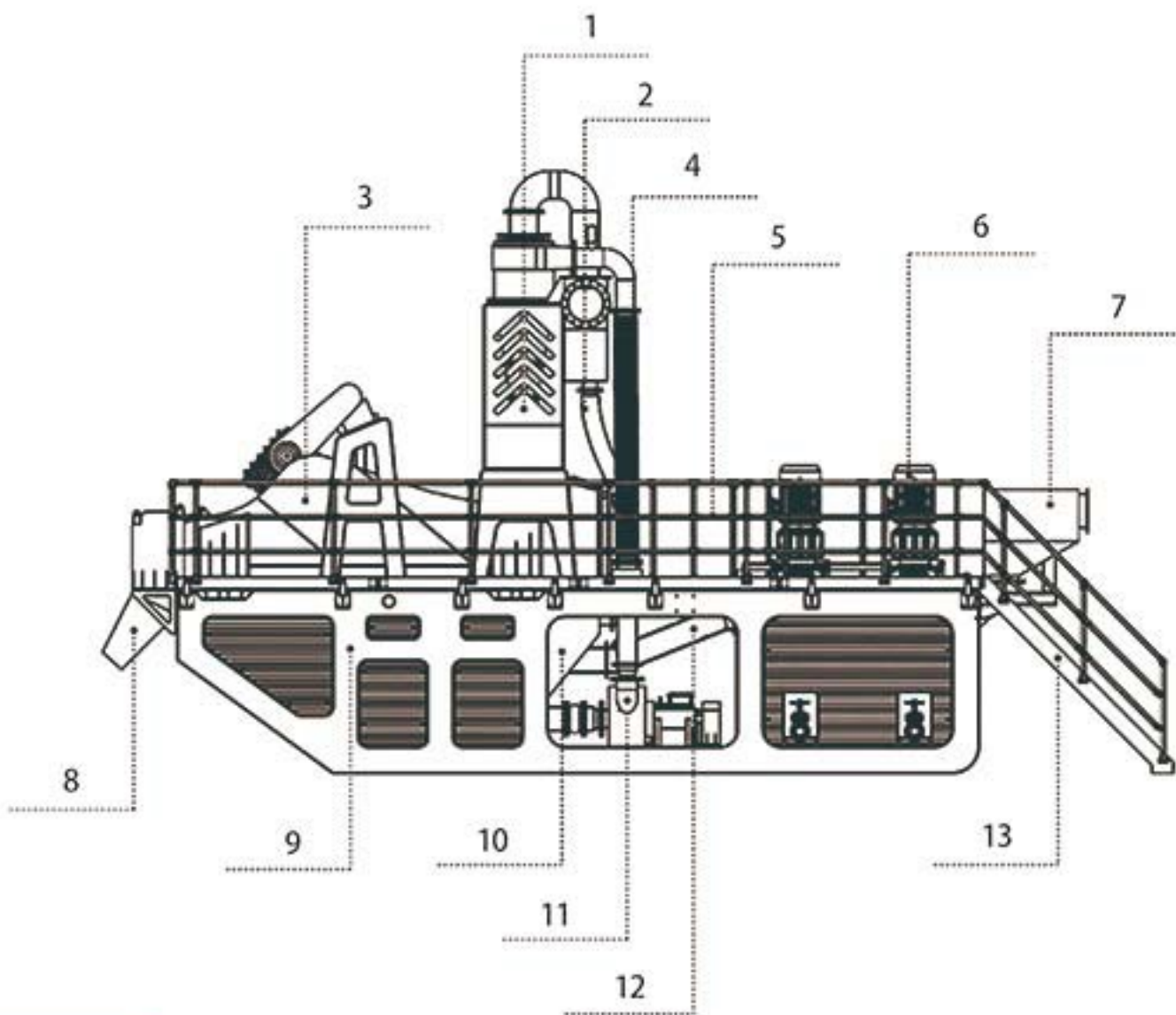


Structure

Organization chart :

1. Fines Recovery System
2. Return Pipe
3. Linear vibrating screen
4. Feed Pipe
5. Handrai
6. Attrition Scrubber

7. Feed Hopper
8. Discharge Hoppe
9. Frame
10. Water Tank
11. Slurry Pump
12. Chute
13. Ladder



Tech specifications

Model	Capacity(t/h)	Scrubber Spec (mm)	Hydrocyclone (mm)	Screen Spec (mm)
XS50	50	CX2-1	550	1530
XS100	100	CX2-2	660	1848
XS150	150	CX3-1	710	2448
XS200	200	CX3-2	2x660	3060
XS250	250	CX4-1	2x660	3660
XS300	300	CX4-2	2x710	4272

service: customizable, 3-year warranty.

Vortex Sand Washer

LZS Vortex Sand Washer combines cyclones and dewatering screen. When it comes to application, the cyclone remove clays, silts and slime from sand and bring it into demands, the dewatering screen enables low moisture product for conveying or stockpiling. LZS Vortex Sand Washer has an optimised process that produces a drier, higher-quality product with less fines.

LZS vortex sand washers are designed for sand and aggregate washing. They can also be used to wash a range of feed materials such as: Concrete, Gravel, Frac Sand, Silica Sand, Mineral Sands, Oil Sands, Bauxite / Alumina, Slag.

Workflow

The mixed material enters the screen underflow tank through a chute, and then is pumped into the cyclone. Under the action of centrifugal force, the material is cleaned and dewatered to achieve mud-sand separation.

The underflow material of the cyclone enters the coarse sand dewatering zone of the linear screen for dewatering; while the overflow material enters the water tank through the return pipe for circulating cleaning and replenishing of the water tank, thus achieving efficient sand washing.

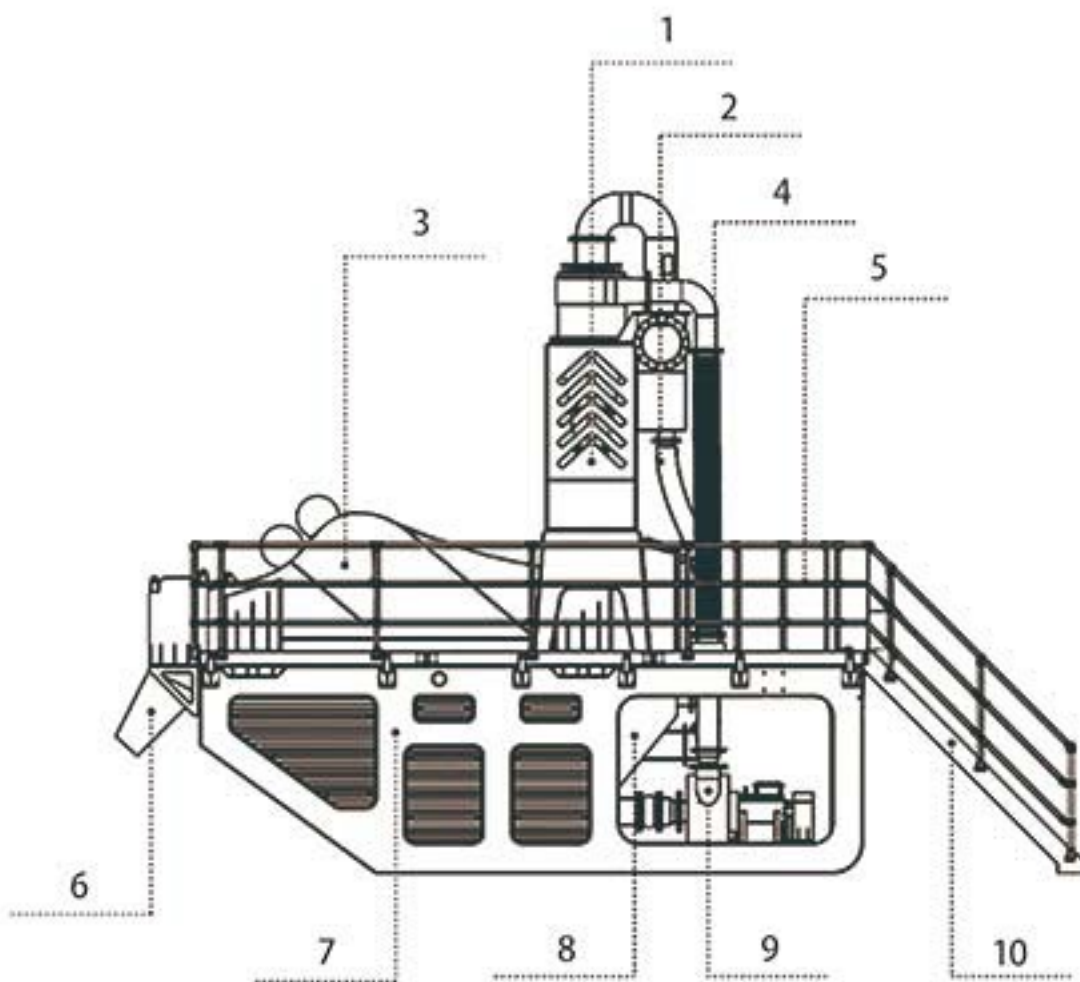


Structure

Organization chart :

1. Fines Recovery System
2. Return Pipe
3. Linear vibrating screen
4. Feed Pipe
5. Handrai
6. Discharge Hoppe

7. Frame
8. Water Tank
9. Slurry Pump
10. Ladder



Tech specifications

Model	Capacity (t/h)	Dewatering Unit	Cyclone Unit	Power (Kw)	Overall Size (mm)
LZS660	80-100	TS1536	FX660	43.4	7690*3915*6695

service: customizable, 3-year warranty.

HS Sand Plant

HS Sand Plant adopts integrated dual-cyclone separation and vibrating dewatering screening technology. It combines sand-water separation and precision sand classification and recovery into a single unit, enabling rapid processing of complex slurries such as construction mud and tailings wastewater.

HS Sand Plant quickly achieves coarse sand dewatering, fine sand recovery and wastewater purification. It delivers a capacity of 100–120 m³/h, with 30% less energy costs.

Workflow

- 1. Raw material first enters Undersized Water Tank1, then is pumped by Pump1 to Cyclone1.
- 2. The underflow from Cyclone1 feeds into the Left Dewatering Screen, producing finished coarse sand after dewatering. The screen drainage overflows to Tank2.
- 3. Slurry from Tank2 is pumped by Pump2 to Cyclone2. Its underflow enters the Right Dewatering Screen, yielding finished fine sand.
- 4. The overflow from Cyclone2 discharges as wastewater for further treatment.

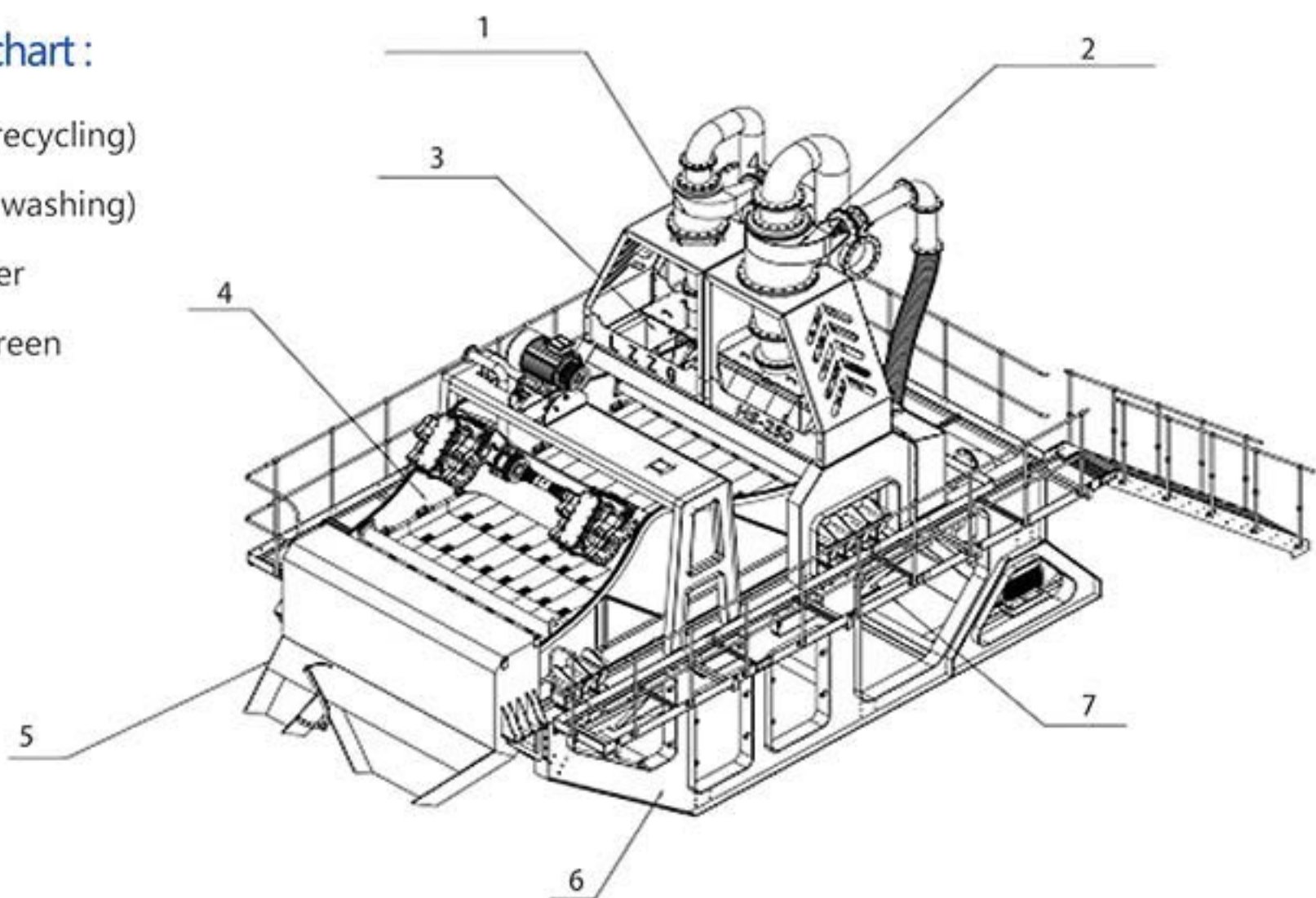
The whole system establishes a closed-loop process: Feeding → Separation → Dewatering → Circulation. Greatly improved the efficiency of sand and gravel classifying and recycling, as well as the reduction of sewage.



Structure

Organization chart :

- 1. Cyclone(fines recycling)
- 2. Cyclone (sand washing)
- 3. Cyclone Hopper
- 4. Dewatering screen
- 5. Outlet Hoppers
- 6. Frame
- 7. Walkways



Tech specifications

Model	Capacity (t/h)	Water Volume (m³/h)	Cyclone 1 (mm)	Cyclone 2 (mm)	Dewatering Screen (mm)	Power (Kw)
HS100	≤100	300	610	350	ZKX1848	74
HS150	≤150	400	660	400	ZKX2448	93.5
HS200	≤200	500	710	500	ZKX3060	114
HS250	≤250	700	840	610	ZKX3660	157
HS300	≤300	800	900	660	ZKX4272	190

service: customizable, 3-year warranty.

Modular Construction Waste Processing Station

Product Introduction

The Modular Construction Waste Processing Station is composed of highly integrated modules, including:



·Pre-screening Module

·Aggregate Processing Module



·Filter Press Module

·Wastewater Treatment Module

·Intelligent Central Control Module

Modular Construction Waste Processing Station is specially designed for construction waste recycling and resource recovery scenarios.

Key Features

Core Functions:	
· Aggregate Screening and Washing	· Waste Separation
· Aggregate Grading/Classification	· Fine Sand Recovery
· Dewatering and Desliming	· Thickening and Classification

This system effectively removes waste contaminants to produce premium-quality, clean sand and aggregate with an extremely low moisture content.

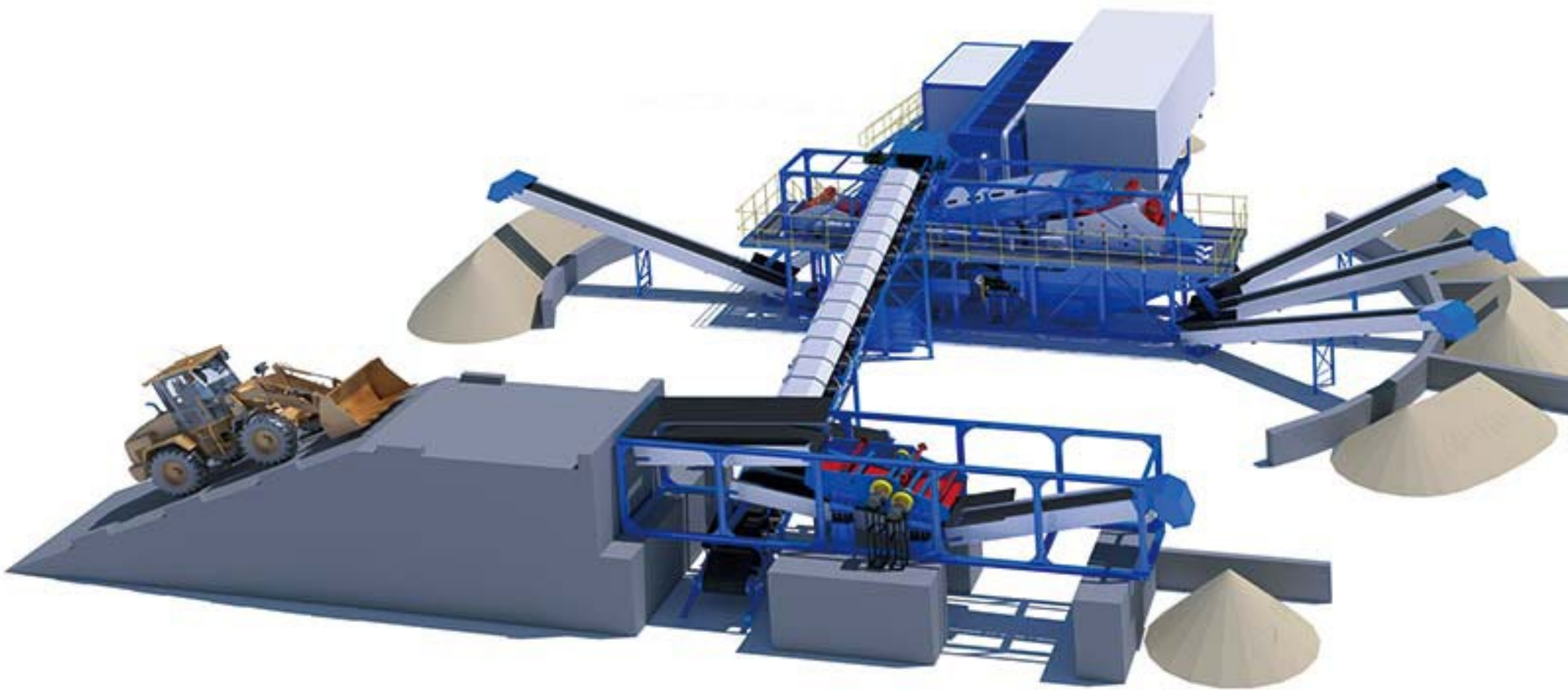
Solve Problems

The Modular Construction Waste Processing Station significantly addresses current industry challenges including:

- Low utilization rates of construction waste (typically <30%)
- Excessive stockpiling causing land occupation
- Impurity residue exceeding environmental standards
- Ecological damage from traditional disposal methods

Competitive Advantages

The product adopts a highly integrated design, combining the functional features of multiple equipment units to achieve modular and intelligent operation. Quick and easy installation, achieving greater economic benefits for construction waste disposal, sand and gravel aggregate production, etc.



Ultrasonic Cleaning Device

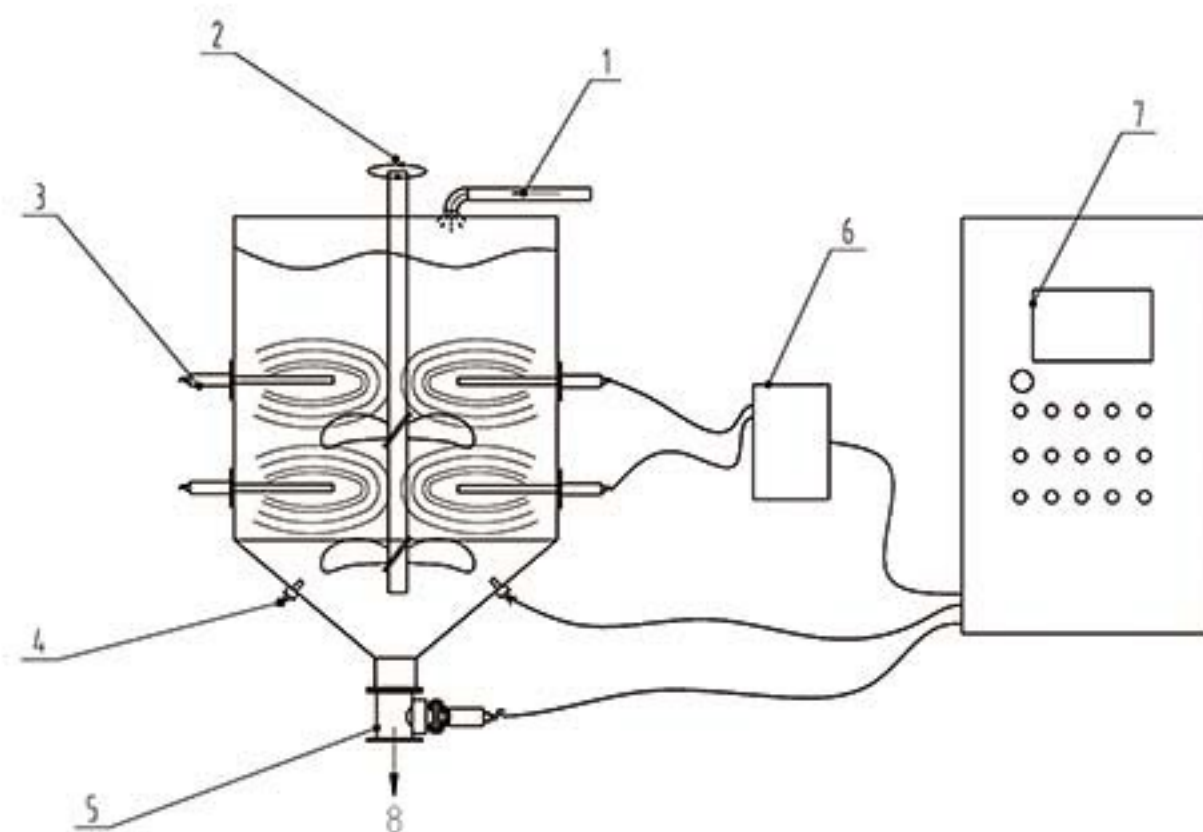
Ultrasonic cleaning device

Ultrasonic cleaning device is suitable for continuous ultrasonic treatment of the liquid material in the flow state. We can control the flow and the degree of treatment, easy to install and simple cleaning.

It is mainly used for domestic sewage, industrial sewage treatment. Acting as the last process of biodegradation, the microorganisms in sewage are broken through ultrasonic cavitation, which can improve the pressure filtration efficiency and greatly reduce the sludge water content after pressure filtration.

Different from the traditional ultrasonic vibration plate cleaning, sonochemistry adopts the focused cleaning principle, the cleaning sound intensity is concentrated, which greatly improve the cleaning effect of solid particles, and its high power cleaning work is better.

Industrial grade ultrasonic vibrator which is suitable for all kinds of high power industrial grade liquid treatment.



Structure

Organization chart :

- | | | |
|---------------------------|-------------------|---|
| 1. Feed pipe | 2. Mixer | 3. Industrial grade ultrasonic vibrator |
| 4. Concentration detector | 5. PLC controlled | 6. Ultrasonic equipment host |
| 7. PLC control cabinet | 8. Discharge port | |

Vibration exciter

It is composed of processing cavity, ultrasonic vibration rods, ultrasonic host, PLC control system, etc. By adjusting the vibrator rods number to achieve different material cleaning effect.

Amplitude adjustment range of 10%- 100%.

Equipped with 485 communication serial port, convenient data transmission.

Language English/Chinese.

Colorful human-computer interaction cross section.

Supply with concentration detector real-time feedback the bottom material concentration, timely adjusting the rotational speed (frequency converter) and discharge of the mixing blade mouth size (electric valve).

The mixing device makes the material evenly distributed in the horizontal layer of the cylinder, which highly improve the acoustic processing effect.



LD Crawler-type Mobile Sand Washing Plant

Product introduction

This machine is a mobile sand and gravel washing machine with crawler, which is widely used for washing and selecting in many industries such as sand and gravel plants, mines, building materials factories, transportation, chemical industry, water conservancy and hydropower, and concrete mixing. through the crawler, the mobile operation of the washing is realized, and the operation mode is more flexible. it is powered by diesel and electricity, either external power supply or diesel only. the sand washing effect is good by twice washing, it can deal with those sand with higher mud content. besides, it can recycle waste water to high resource utilization rate. It can be equipped with satellite positioning and lock function, supporting various forms of commercial sales and cooperation. This mobile plant owns advanced technology, intelligent monitoring and control system, has wireless remote monitoring, data transmission, data analysis and remote control functions.



Advantages

- Dual power by diesel and electricity. When electricity is available, it can work by electricity. When there is no electricity, it can work by diesel generating set.
- The operation is more flexible, which can realize rapid transfer. Compared with the traditional wheeled mobile sand washing station, it can walk, reverse, turn, climb without traction.
- It can be freely combined with various belt conveyors and production lines, and the process layout is more flexible.

Structure

Organization chart :

7. Hydraulic station

11. Ladder
1. Vibrating screen

4. Spiral sand washer

8. Electric generator

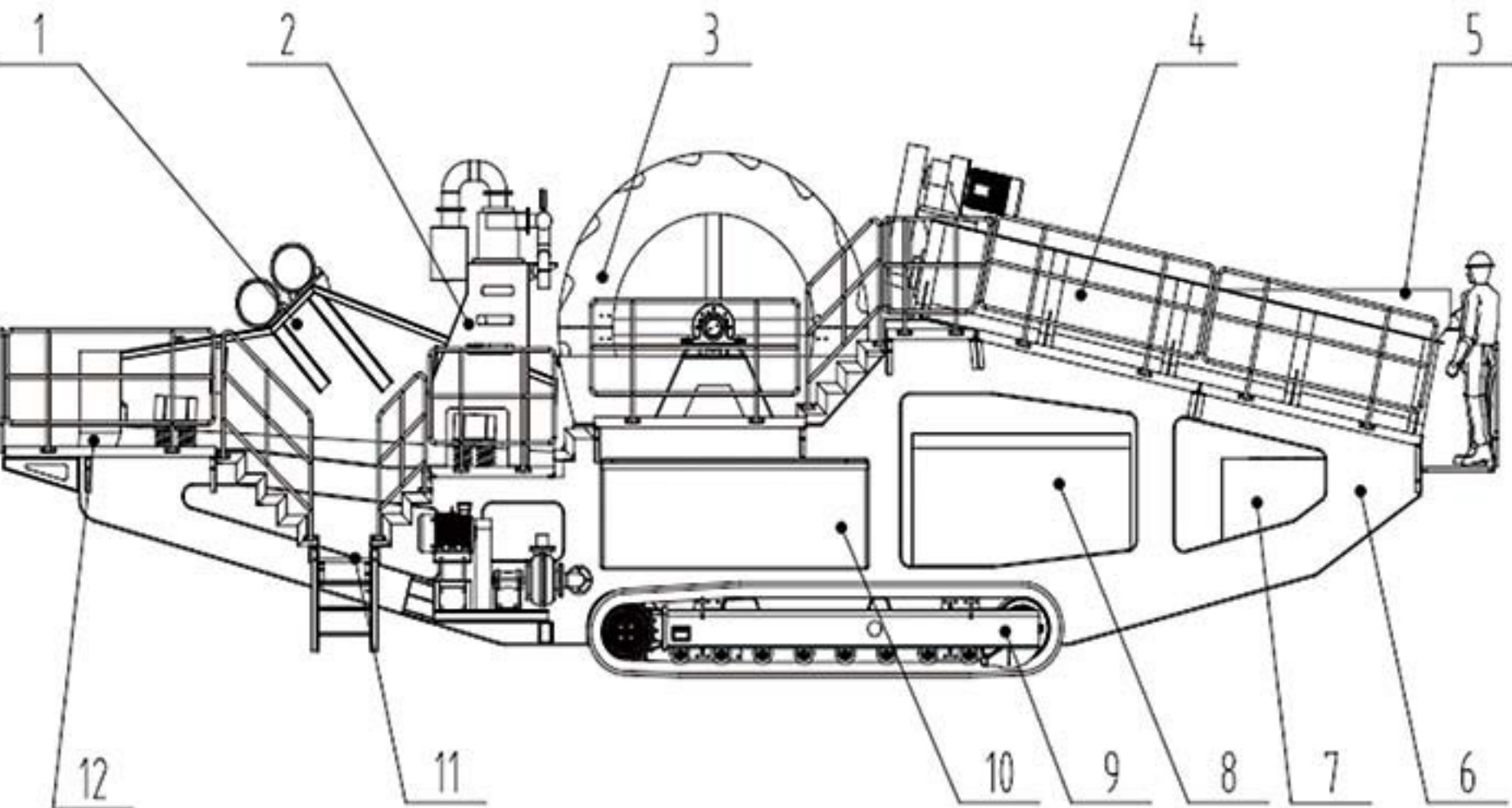
12. Discharge part
2. Cyclone unit

5. Feed part

9. Crawler chassis
3. Wheel sand washer

6. I-shaped rack

10. Control cabinet



Tech specifications

Order code	Model	Screw specification (mm)	Impeller specification (mm)	Sieve plate specification (mm)	Power (k/w)	Overall dimension (mm)
LD80	LD80	2LX760	XSD2512	TS1530	75	12500X3000X4500
LD100	LD100	2LX920	XSD3016	TS1842	110	14430X3500X4500

LZTL Series Tower Type Sand Washing Zero Discharge Station

Product introduction

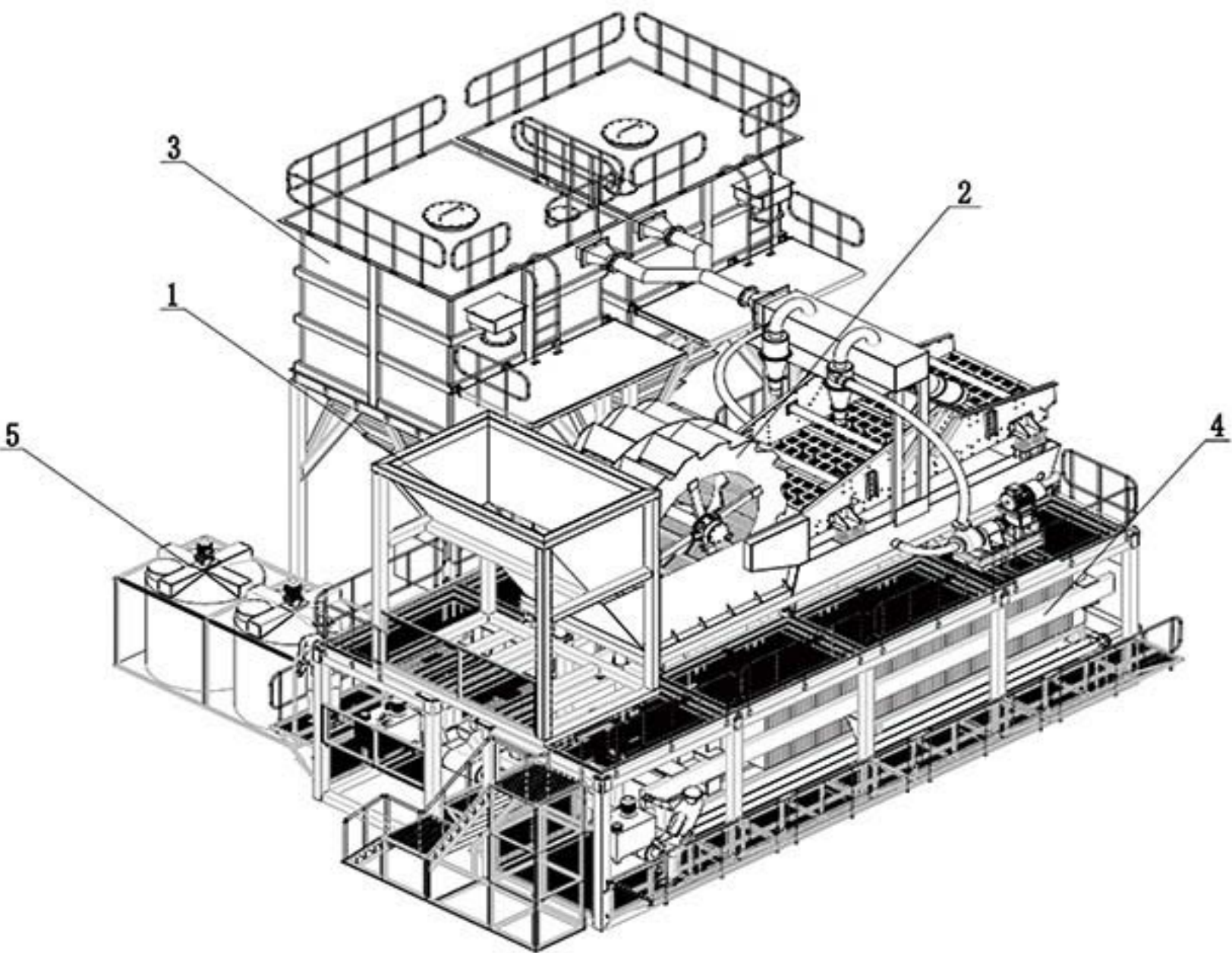
The integrated workstation design integrates the functions of sand washing, recycling, dewatering, thickening, and filtering. Three-dimensional layout, small area, large processing capacity. Combined frame design, modular assembly, can be customized more flexible disassembly. Fully automatic control realizes the comprehensive measurement of feeding, output, electricity, water volume, etc. Economic benefits and operating costs are intuitive and controllable.



Structure

Organization chart :

- 1.Receiving bin
- 2.Sand washing recovery module
3. Sewage thickening module
4. Sludge pressure filtration module
5. Dosing module



Functional configuration

In order to solve the problems in the application of traditional equipment, such as large area occupied by equipment, poor treatment effect, complex material transportation, no economic and environmental protection,etc. Our company has developed LZTL series tower-type Sand Washing zero-discharge station,the equipment is modular, integrated, high degree of automation, covers a small area, reasonable functional configuration, can achieve material washing, tail water purification.

Tech specifications

Order code	Model	Feed particle size (mm)	Processing capacity (t/h)	Impeller specification (mm)	Sieve plate specification (mm)	Separator specification (mm)	Filtration area (㎡)	Power (k/w)	Overall dimension (mm)
LZTL50	LZTL50	≤10	30-50	2600X1200	1200X2400	250X2	200X2	98.4	8800X10500X7800
LZTL80	LZTL80	≤10	50-80	3000X1600	1500X3000	300X2	250X2	123.5	10200X10500X8200
LZTL120	LZTL120	≤10	80-120	3000X1600	1800X4200	350X2	350X2	138.5	12500X10500X8600

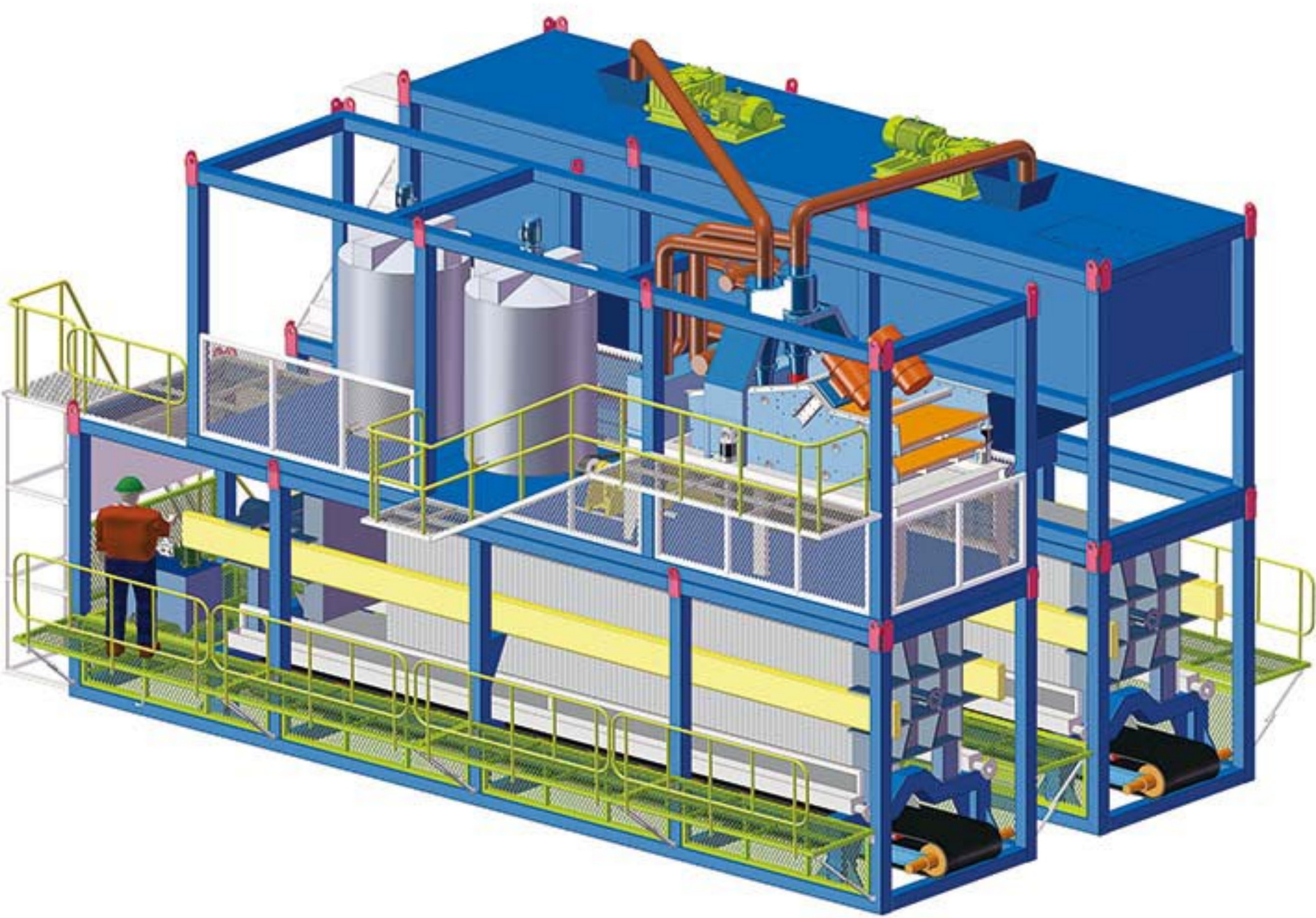
Modular Piling Mud Treatment Equipment

Product introduction

This machine is designed systematically and modularly for the recovery of solid particles (coarse and fine sand) in the process of building piling mud production, as well as tail water purification and solid waste dry discharge etc. It has great innovation in appearance and structure.

Fine sand recovery structure

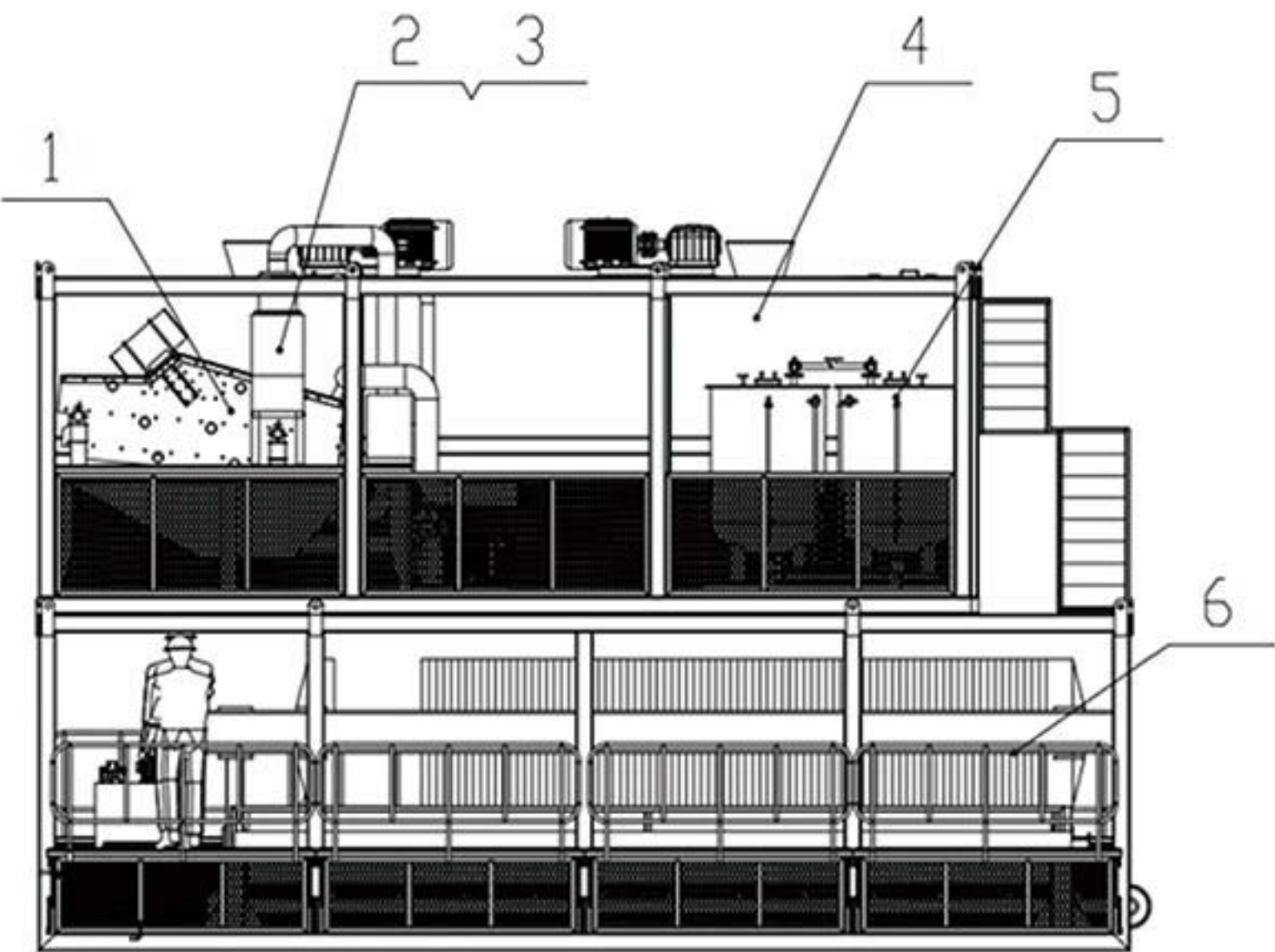
Extracting the fine sand in the raw material first can effectively reduce the subsequent equipment load, so smaller model can be used, can reduce the damage, prolong the service life.



Structure

Organization chart :

- 1.Mud purifier
- 2.Cyclone
- 3.Slurry pump
- 4.Agitated sedimentation tank
- 5.Dosing device
- 6.Filter press



More efficient equipment

Reasonable process and configuration, so that it has higher processing efficiency than traditional equipment.

Tech specifications

Order code	Specification of mud purifier (mm)	Stirred sedimentation tank grid (m ²)	Specification of box filter press (mm)	Power (k/w)	Overall dimension (mm)
MKNJ100	JH-FX60	15	G200-125	120	9830X6500X6000
MKNJ200	JH-FX80	21	G250-125	160	9830X6900X6200

One Stop Service Process

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Energy saving and environmental protection

LZZG has powerful scientific research personnel and lots of own intellectual property rights. at the same time, with a variety of industry qualifications, LZZG have the ability of product design - engineering design - construction management - site installation and com-missioning.

One-stop Service Flow

On-site inspection

After preliminary selection and scheme communication customers are invited to visit the factory and the site to evaluate the strength of the enterprise.

Signing of purchase contract

Make clear the purchase intention, determine the type of equipment, and sign the purchase contract with legal effect after the price is reached through negotiation.

Inspection and delivery of equipment

After the production of the equipment ordered by the customer is comprehensive quality test-ing shall be carried out in time.the machine delivery will be arranged after machine test is qualified.

On site installation after sale

After the equipment is delivered to the customer site, professional after-sales personnel will be responsible for the installation guidance of the equipment and operators training.

Research and Development

LZZG insists on developing products of excellent quality stable performance, to meet customers different requirements.

Sales Process

Assist customers in project planning and system requirement analysis to meet user requirements.

After-sales Service

Carry out regular maintenance, solicit customer opinions for long-term improvement of product quality.

Quality creates trust, strength forms profession

Site inspection



Contract signing



Site inspection



Installation and after-sales



After-sale Service



LZZG has a technical service team composed of more than 40 professional and technical personnel to ensure that perfect pre-sale, in-sale and after-sale technical support services are provided for every customer.

Transportation of equipment: our company can handle the transportation. When the customer comes to pick up the equipment, our company is responsible for loading.



Installation and commissioning: after the equipment arriving at the user's site, our company is responsible for guiding the installation and commissioning of the equipment. The hydraulic oil and power supplying for the equipment trial run shall be provided by the user.



Technical training: our company provides free training for users' operation and maintenance personnel, and provides over one week's guide for large equipment, precision equipment and production lines until the operators fully master the machine.



Provide lifelong after-sales service for customers, and free service for one year.

After receiving feedback from customers, our company will arrive at the site within 24 hours (domestic only) for the repair of the equipment and production lines that are damaged due to their quality problems.

Supply of spare parts: repair and replace the damaged parts free of charge within the warranty period.

After the warranty period, only the cost fee will be charged.



Technology upgrade: when users need to change PLC program or computer program, our company is responsible for the change, generally no software fees will be charged. Under the premise of not involving hardware changes, our company's new software version will be offered to old users voluntarily.



Relocation and overhaul: if the parts and accessories are damaged due to improper operation and maintenance, or when the parts need to be replaced and overhauled after many years of use, our company still provides services to keep the machine running.

