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PROMOTING NATIONAL BRAND**

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**Hotline: 400 618 8808**

**English Version**

## Shandong Mix

Shandong Mix Machinery Equipment Co.,Ltd was founded in 2006, which is an enterprise specialized in R&D, production and sales of concrete mixing equipments. Our business scope involves mining machinery, concrete machinery, pavement machinery and other fields.

Our company covers an area of 240000 square meters, the workshop is more than 58000 square meters. After more than 10 years of development, the annual sales volume has reached about 300 million RMB, and the annual production capacity can reach 600 million RMB.

Thanks to the advanced technology and excellent equipment, SDMIX has realized great-leap-forward development. We became a strategic partner of many famous engineering machinery manufacturer relying on excellent quality and first-class service. Our products have been exported to dozens of countries and regions, such as America, Russia, Dubai, Turkey, Brazil, Vietnam and Thailand.



## Connotation —— Set up as giant model



## Quality —— The foundation of an enterprise

We made `Casting the high-quality goods, the revitalization of national brand` as our development strategy at the beginning of our company, carrying forward the business extension points, making progress in the field of machinery and equipment manufacturing.

In 2006 screw conveyor factory was completed and put into production;

In 2007 concrete mixer factory was completed and put into production;

In 2013 Chengdu branch company was set up;

In 2015 Wuhan branch company was set up ;

In 2016 the new factory in Qihe county was completed and put into production.

In 2017 Vietnam and Russia branch companies were set up;

In 2018 America and Turkey branch companies were set up.

Over the past more than 10 years, we strengthened technological innovation and standardized quality management continuously. During this period, we passed ISO9001 Quality Management System Certificate and CE Certification. In 2013, SDMIX brand enjoyed the fame in Construction Machinery Industry of China, and rated as famous brand of Shandong Province; in 2015, through the evaluation of high-tech enterprises in Shandong Province; in 2017, SDMIX technological center was rated as "municipal technological center of Dezhou City".

## THE ADVANTAGES OF SDMIX CONCRETE MIXER

### Gear box

- 1、 The gear box is imported from Italy with good meshing characteristic and low noise, the surface roughness of which can reach upto 0.8.
- 2、 The oil seal is adopted the Hongkong brand 'SEALTOOL' with reliable quality.
- 3、 The bearing is adopted the Sweden brand SKF.
- 4、 The shell, made of QT500-7, is produced by the world first class shell casting manufacturer. The material of the planet carrier is QT700-2. Processed by CNC inspection and processing center effectively guarantees the geometric tolerance of the spare parts. Its main parts are measured with three coordinate measuring instrument.

### Fan pulley (Optional)

Based on air flowing theory, we optimize the design and develop the fan pulley, which is not only with the function of the belt pulley but also can cool down the gear box and prolong the service life of the gear box.

### Spiral nozzle

We partly adopt the spiral nozzle on the mixer, which can form water mist to reduce the dust effectively. At the same time, some flat nozzles are retained to form water column and spray to the mixing shaft to reduce the phenomenon of holding shaft.

### Motor

The two-speed motor can be used to produce a variety of concrete materials such as plasticity and dryness. The mixing efficiency is more higher.

### Spare parts

- 1、 To guarantee the wear-resisting property, we adopt super high chrome spare parts with more than 26% chrome content.
- 2、 We optimize the mixing blades by 5mm thicker than those from other manufactures in the same industry domestically.

LATEST RESEARCH  
AND DEVELOPMENT

## OIL-FREE SEALING SYSTEM

The newly developed oil-free sealed mixer adopts the new shaft end lubrication structure, completely abandoning the butter lubrication mode used in the conventional mixer, can prevent the concrete from being mixed with butter, and helps to improve the quality of the concrete, and has become an important equipment for high-end concrete mixing. The intelligent shaft end monitoring instrument monitors the lubrication status of the shaft end in real time to ensure reliable and stable operation of the equipment.



Equipment remote maintenance system



Intelligent controller terminal

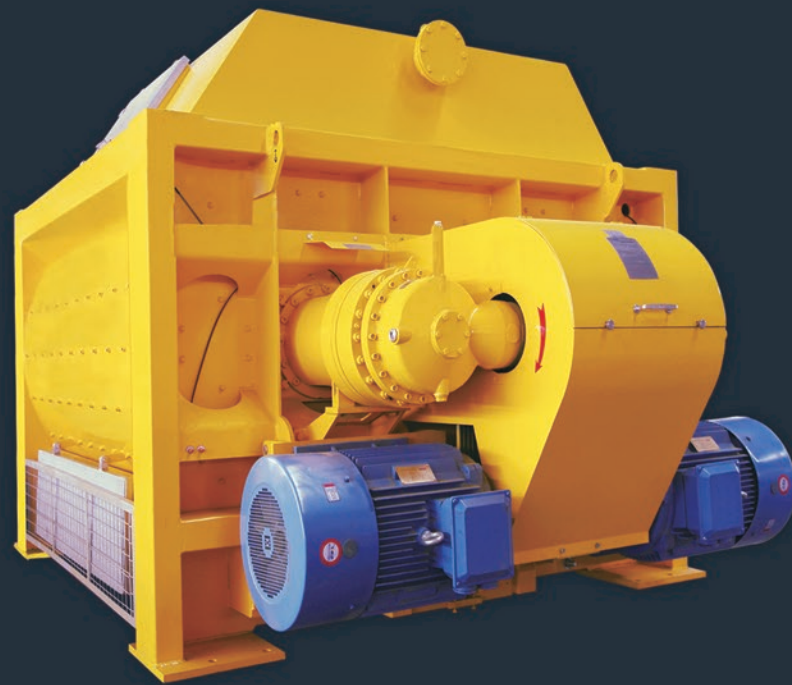
The system is mainly used for intelligent monitoring of normal twin-shaft mixers and oil-free sealed twin-shaft mixers produced by our company, including intelligent controller terminals and equipment remote maintenance systems.

The intelligent controller terminal is installed on the mixer, and it collects the running status of the mixer on site, including temperature of each shaft end, temperature of the reducer, Oil level and pressure of hydraulic oil pump, oil level and pressure of lubricating oil pump, cement humidity, motor current, etc., and calculates quality of cement according to this. Besides, information of alarm and maintenance is showed on it. From this process, the early warning can be achieved to protect the mixer, and status can be transferred to remote maintenance system in real time.

The running status of the network mixer in real time can be displayed in the remote maintenance system. When there is a fault, the status will be displayed in the remote maintenance system synchronously, and this information will be sent to the personnel who responsible for it (multiple related personnel).

At the same time, the remote maintenance system is based on the big data analysis of the mixer operation, which can analyze the state of the user equipment in a targeted manner, prompt the customer to carry out maintenance and repair in time, improve the service life of the mixer, and ensure the trouble-free operation of the equipment.

Remote maintenance system operation platform: WINDOWS system.



KTSA/B series Twin-shaft Concrete Mixer can mix various grades of concrete, light aggregate concrete and mortar. It is applicable to all kinds of commercial concrete mixing plant, engineering stations and prefabricated equipment enterprises. With many years of manufacture experience, we have various models from 1 m<sup>3</sup> to 6 m<sup>3</sup>, and they have been widely accepted by our clients with excellent quality and perfect after sale service.

Patent No: ZL 2011 2 0527465.4

- 1、 The mixing blade is in spiral shape, which makes the mixing activity much stronger to ensure the even mixture in a shorter time, and can improve the mixing efficiency by more than 25% and save the power by more than 10%.
- 2、 Its essential parts including gear box, bearing, oil seal and V-belt are imported ones, which can greatly prolong the service life, reduce fault rate and ensure the more reliable operation of the mixer.
- 3、 The transmission system, shaft end seal group and the discharging system of the mixer are same with that of our KTSA series mixer, which makes it much easier to be produced and maintained.

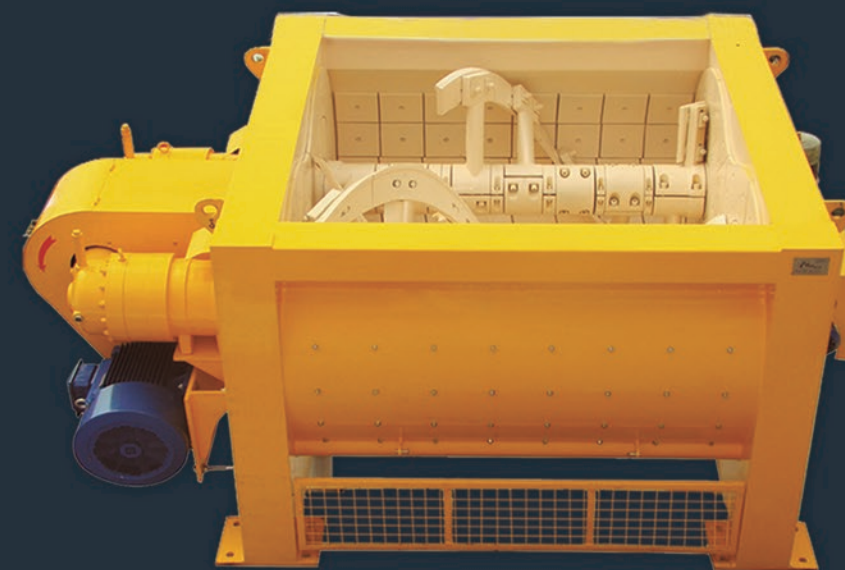
Model	KTSL3000/2000	KTSL3750/2500	KTSL4500/3000	KTSL5300/3500	KTSL6000/4000	KTSL6750/4500
Charging Volume (L)	3000	3750	4500	5300	6000	6750
Discharging Volume (L)	2000	2500	3000	3500	4000	4500
Max of Aggregate (mm)	80/100	80/100	80/120	80/120	80/150	80/150
Weight (t)	7.50	8.50	9.20	9.60	12.20	12.50
Motor Power (KW)	37x2	45x2	55x2	55x2	75x2	75x2
Dimension (mm)	3460X2320 X2140	3670X2320 X2140	3880X2600 X2200	4100X2600 X2200	4670X2600 X2200	4890X2600 X2200
Mix time (s)	≤25	≤25	≤25	≤25	≤25	≤25

## KTSL SPIRAL TYPE CONCRETE MIXER

## KTSA/B CONCRETE MIXER

- 1、 With compact structure and little space occupation, it is easy to be produced, transported and installed.
- 2、 Planetary gear box with small volume, low noise, and long service life.
- 3、 With automatic lubricating system and four shaft end sealing system with independent pump core, to ensure the balanced pressure and good sealing performance.
- 4、 Equipped with safety switch and emergency stop switch to ensure the high safety coefficient of the machine.
- 5、 Adopting more advanced technology and innovation, we design and develop a new type of shaft end sealing system with more reliable sealing effect and twice longer service life than that of the normal ones.

Model	KTSA1500/1000	KTSA1850/1250	KTSA2250/1500	KTSA3000/2000	KTSA3750/2500	KTSA4500/3000	KTSA5300/3500	KTSA6000/4000	KTSA6750/4500	KTSA9000/6000
Charging Volume(L)	1500	1750	2250	3000	3750	4500	5300	6000	6750	9000
Discharging Volume(L)	1000	1250	1500	2000	2500	3000	3500	4000	4500	6000
Max of Aggregate(mm)	80/100	80/100	80/100	80/100	80/100	80/120	80/120	80/150	80/150	150/180
Weight(t)	5.20	5.50	5.80	7.50	8.50	9.20	9.60	12.20	12.50	20.5
Motor Power(KW)	18.5x2	22x2	30x2	37x2	45x2	55x2	55x2	75x2	75x2	55x4
Dimension(mm)	2810X2000 X1920	3020X2000 X1920	3230X2000 X1920	3460X2320 X2140	3670X2320 X2140	3880X2600 X2200	4100X2600 X2200	4670X2600 X2200	4890X2600 X2200	5600X3000 X2500
Mix time(s)	≤30	≤30	≤30	≤30	≤30	≤30	≤30	≤30	≤30	≤30

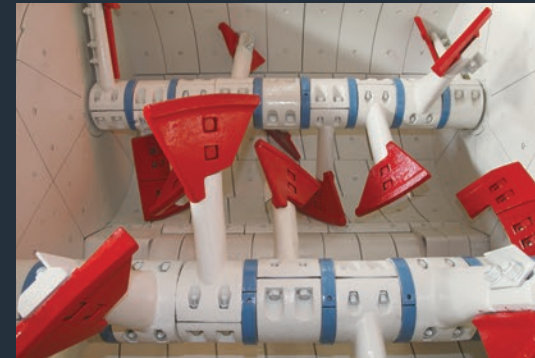
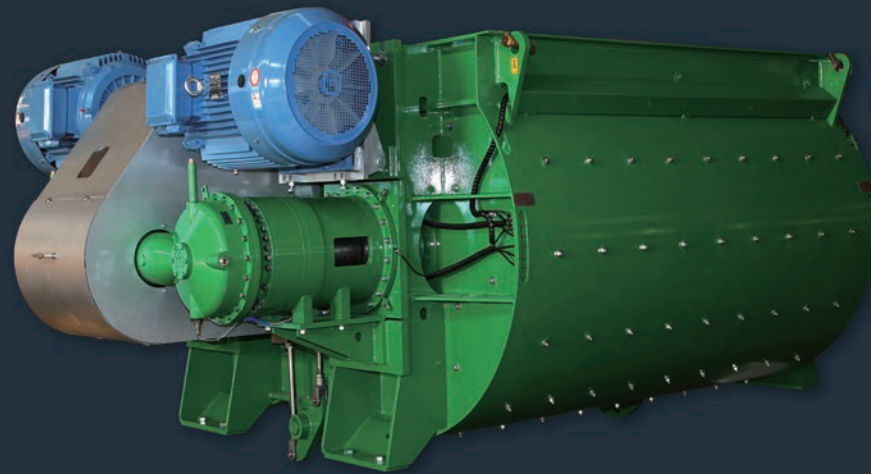


Improve the mixing efficiency by more than 25% and save the power by more than 10%

Patent No: ZL 2011 2 0527439.1

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## KTSW DAM WORK CONCRETE MIXER



- 1.It can mix aggregate with large diameter ( Max. 180mm), which is specially suitable for the dam construction and hydropower station, etc. big projects
- 2.The mixing arm is optimally arranged in 60°, which effectively improve the mixing efficiency
- 3.The wearing parts are made of good wear-resistance high-chromium cast iron with good anti-abrasion and ant-impact performance

### Mixing Shaft

Specially designed for dam work, KTSW series concrete mixer is configured with hexagonal anti-torsion and anti-bending mixing shaft, which can more effectively deal with the super load generated during the mixing of the concrete for dam work project, at the same time the hexagonal structure of the mixing arm is suitable for the mixing arm to be arranged as spiral shape that can ensure the mixing arm strength as well as the best mixing effect.

### Mixer and Transmission System

The gear box is designed as planetary transmission with heavy-load spiral bevel gear, the high strength spiral bevel gear is with smooth transmission, good anti-impact performance, compact planetary structure and high transmission efficiency, the drive components are configured with heavy-load SKF bearing, the whole structure design improve the performance and prolong the service life of the gear box effectively. We adopt toothed V-belt with higher transmission efficiency and longer service life, which makes the mixer specially more suitable for the large aggregate working condition and high power requirement during the mixing process.

### Shaft End and Bearing

The shaft end sealing system of the KTSW concrete mixer is designed as labyrinth floating sealing structure, and the automatic lubricating system can ensure the oil feeding pressure of the shaft end and the lubrication effect of the seal components. The bearing of the mixer is SKF heavy-load double row tapered roller bearing which has the strong anti-impact performance and the longest service life. The shaft end seal is designed to be separated with the bearing, which makes it easy for shaft end seal system maintenance and prevents the bearing from damaging due to the mixture leakage.

## MS Series Practical Energy-saving Concrete Mixer

—Stable,high efficient and energy-saving

- 1、 New floating mechanical seal is adopted to the shaft end sealing system,which can keep the balanced inner pressure,and save the lubrication oil without reducing the stability and reliability of the shaft end sealing system.
- 2、 Equipped with energy-saving motor,which has strong anti-loading performance, low noise and reliable operation,it can save electricity by about 10%.
- 3、 The structure of the mixer tank is optimized to ensure it is more energy-saving on the base of keeping the good performance of the mixer tank.
- 4、 Pneumatic discharging is adopted,which is economical and durable,simple in structure,lower in fault rate and energy-saving.
- 5、 Equipped with manual lubrication oil pump.(Electric centralized lubrication pump is optional)
- 6、 The essential parts of the mixer are the same with those on the KTSA series mixer,which makes it much easier to use and maintain.
- 7、 The mixing blades are designed bigger and longer,which ensure the more even mixture and higher efficiency.



Discharging device



Oil saving shaft end seal



Energy-saving motor

In order to adapt the market development requirement and improve the marketing competition of the mixer,we research and develop the MS series practical energy-saving concrete mixer,the tank structure of which is optimized,and this type of mixer is widely accepted by our clients with its unique configuration,economical and practical, energy saving and environmental protection performance.



## Vertical axis planetary concrete mixer

Our newly developed multi-motor vertical shaft mixer is suitable for high-speed railway special prefabricated structural parts, pipe piles, sleepers, tiles and other manufacturing enterprises, as well as various civil engineering construction sites and commercial concrete mixing stations.



- 1、 The planetary blades rotate while rotating. At the same time, the mixing speed is 30% faster than the ordinary vertical axis planetary mixer, and the production efficiency is high.
- 2、 The mixing blade is made of extra-high chromium wear-resistant alloy cast iron, and the lining plate is made of high chromium wear-resistant alloy cast iron, which has good wear resistance and long service life.
- 3、 The mixing cylinder adopts split structure, which reduces the size of transportation. All kinds of specifications can be transported through standard containers.
- 4、 The upper part of the mixing cylinder and the overhaul door are equipped with polyethylene lining plates, which can effectively prevent the mortar from adhering and facilitate cleaning.
- 5、 Concrete humidity sensor and instrument can be installed to detect the consistency of concrete conveniently.
- 6、 Self-protection system and self-opening rotating high-pressure nozzle can be installed without dead angle, so that the tank can be thoroughly cleaned.

Model	MCX1000	MCX1500	MCX2000	MCX3000
Charging Volume (L)	1500	2250	3000	4500
Discharging Volume (L)	1000	1500	2000	3000
Quantity of planets	2	2	3	3
Main motor power(kw) (KW)	2×22	2×30	3×30	3×37
Main motor power(kw)	3	3	3×2	3×2
Weight (KG)	5300	6200	8200	13000

## PRODUCT ADVANTAGE

### Reducer

The special developed reducer can effectively distribute the power balance to each mixing device to ensure the high efficiency and low noise operation of the mixer.

Planetary mixer reducer planetary rotation, using well-known brands of rotary support, reliable quality.

All gear grinding treatment, low operating noise, high output torque, high stability, suitable for all kinds of high strength, high load working conditions.

**Reducer Quality Assurance for 3 years (under normal working conditions)**

### Mixing blade

Mixing blade is made of chromium alloy HB700.

The shape and position of the stirring blade reduce the working time and greatly reduce the wear of the stirring blade.

### Observation door

Most of the tank body includes a 10MM thick polyethylene coating on the surface of the observation window on the upper cover. Through this coating, concrete can not be attached to the tank, so that the internal cleaning of the tank is more convenient.

### Rotary sprinkler head

The rotating cleaning heads of the mixer are equipped with self-protection system and can be opened automatically.

The radiation surface of the clean head can reach 360 degrees, so the nozzle can take care of any area in the mixer.

### Inlet pipe

A special device is installed at the end of the intake pipe so that the water flow can reach 360 degrees of radiation. The distribution of water flow is more extensive, which can achieve the effect of automatic cleaning for the inner wall and upper cover of the tank.



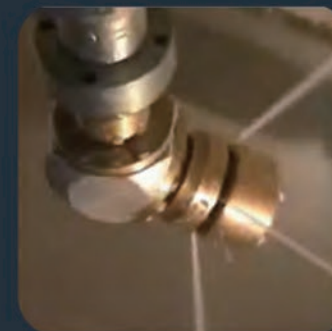
Reducer



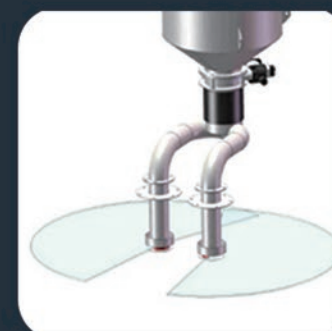
Mixing blade



Observation door



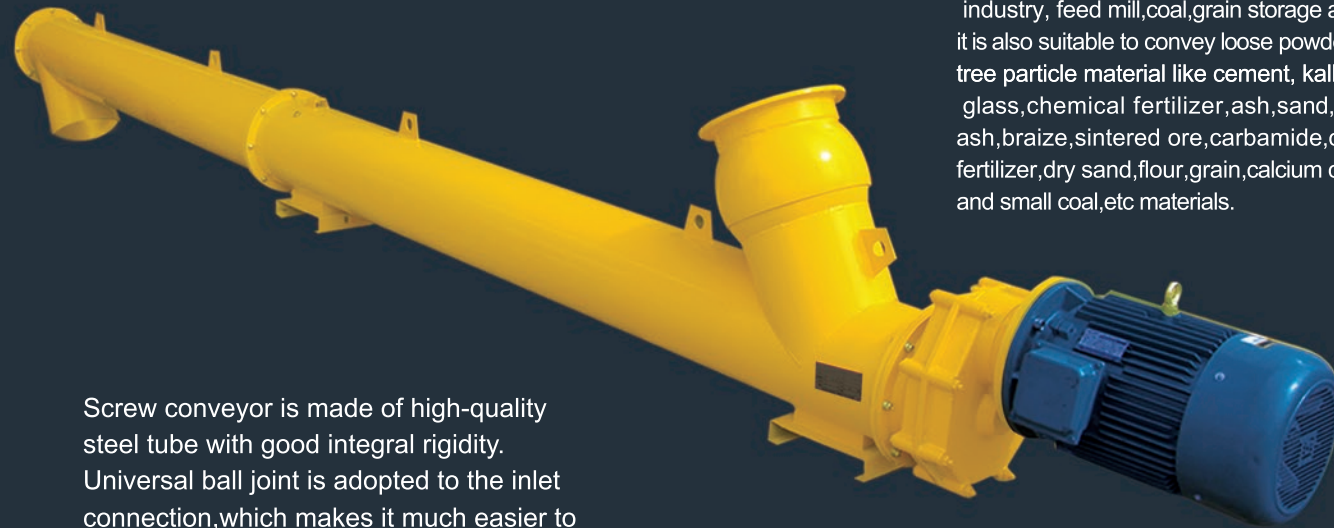
Rotary sprinkler head



Inlet pipe

## SCREW CONVEYOR SERIES

SDMIX Screw Conveyor is suitable for concrete mixing plant in construction machinery industry, power plant, metallurgy, chemical industry, machinery, light industry, building materials, food industry, feed mill, coal, grain storage and so on, it is also suitable to convey loose powder or small tree particle material like cement, kalk, fly ash, glass, chemical fertilizer, ash, sand, coke, soda ash, braize, sintered ore, carbamide, compound fertilizer, dry sand, flour, grain, calcium carbonate and small coal, etc materials.

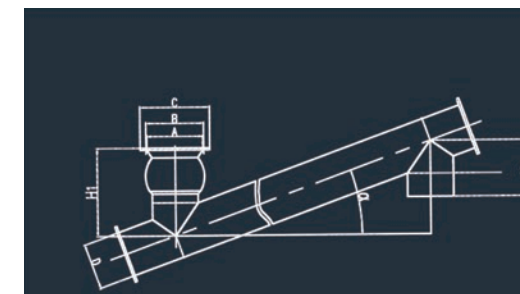


Screw conveyor is made of high-quality steel tube with good integral rigidity. Universal ball joint is adopted to the inlet connection, which makes it much easier to install, adjust and rotate.



This type gear box is specially designed in hard-wheel-gear, one-level transmission, involute helical gear with balanced transmission, low noise, big torque, suitable for harsh environment working. The output end of the gear box adopt the sealing method of the combination of felt and labyrinth structure.

Item	Model	Reduction Ratio	Motor equipped(KW)	Motor series
1	1500	5	4-15	4
2	1500	10	4-7.5	4
3	2000	7	5.5-15	4
4	3000	10	7.5-30	4



Diameter of outer pipe	Diameter of Inlet flange			Height of Inlet			Height of outlet		
	A	B	C	0-20° H1	>20-40° H1	>40-50° H1	0-20° H2	>20-40° H2	>40-50° H2
140	200	250	280	400	450	500	250	300	350
168	200	250	280	400	450	500	250	300	350
219	300	350	380	500	550	600	300	400	450
273	300	350	380	500	600	700	350	450	500
323	300	350	380	550	700	800	400	500	600
407	470	470	530	750	900	1000	450	600	700

## Characteristics

- 1、 The outer tuber is made of high-quality steel pipe, the inner tube is made of seamless steel tube, materials are processed by CNC intersecting cutting machine and welded by NC girth welding machine, which ensures the accurate data, perfect welding line and the good straightness and wearability.
- 2、 Blades are designed in double pitches or three pitches, which decrease the compression degree of material when transported, and avoid blocking. The blade is rolled from 6mm manganese plate with uniform screw pitch.
- 3、 High quality gear box is self-made with grinded gears, the bearing is adopted Sweden brand SKF, the oil seal is adopted SEALTOOL brand, output end cover sealing is newly designed with large transmission torque, low noise, no oil leakage and ash leakage.
- 4、 Improving the universal ball process, make it flexible to install and adjust the rotate rotation direction and no ash leakage.
- 5、 Improving the fix method of the middle hoisting bearing, add fixed detent ring inside the splined sleeve to avoid the inner tuber dislocation caused by the failure of circlip for shaft. Large stock for commonly used standard diameter pipe, enough accessories storage and short delivery time.
- 6、 Introducing the intersecting line automatic welding robot, which ensures the full and smooth weld appearance

## Main Technical Data

length	configuration parameter	diameter				
		Φ168	Φ219	Φ273	Φ323	Φ407
		24t/h	40t/h	80t/h	110t/h	170t/h
2		1500-5-28-4	1500-5-28-4	2000-7-38-5.5	2000-7-38-7.5	3000-10-42-15
3		1500-5-28-4	1500-5-28-4	2000-7-38-5.5	2000-7-38-7.5	3000-10-42-15
4		1500-5-28-4	1500-5-38-5.5	2000-7-38-7.5	2000-7-42-11	3000-10-42-15
5		1500-5-28-4	1500-5-38-5.5	2000-7-38-7.5	2000-7-42-11	3000-10-42-15
6		1500-5-38-5.5	1500-5-38-7.5	2000-7-42-11	3000-10-42-15	3000-10-48-18.5
7		1500-5-38-5.5	1500-5-38-7.5	2000-7-42-11	3000-10-48-18.5	3000-10-48-18.5
8		1500-5-38-7.5	1500-5-42-11	2000-7-42-15	3000-10-48-18.5	3000-10-48-22
9		1500-5-38-7.5	1500-5-42-11	2000-7-42-15	3000-10-48-22	3000-10-48-22
10		1500-5-38-7.5	1500-5-42-11	2000-7-42-15	3000-10-48-22	3000-10-48-30
11		1500-5-38-7.5	1500-5-42-11	3000-7-42-15	3000-10-48-22	3000-10-48-30
12		1500-5-38-7.5	1500-5-42-11	3000-7-48-18.5	3000-10-48-22	3000-10-48-30
13		1500-5-38-7.5	1500-5-42-15	3000-7-48-18.5	3000-10-48-30	3000-10-48-30
14		1500-5-38-7.5	1500-5-42-15	3000-7-48-18.5	3000-10-48-30	
15			1500-5-42-15	3000-7-48-18.5	3000-10-48-30	

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## Dual Screw Conveyor

Precision screw conveyor, also called dual screw conveyor. It is composed of the main screw conveyor and sub screw conveyor. The structure and performance parameter of the main conveyor are the same as the general series. Its function is to ensure the rapid feed in the early weighing period, reducing the weighing time. In the late weighing period, the sub conveyor works alone and feeding slightly. Its hopper can store material of 40kg, pipe diameter is 140mm, measurement accuracy can reach 0.7kg/s.



## Stainless steel screw conveyor

Widely used in many industries including food, medicine, chemical, grain and so on and has the characteristics of acid-resistance, alkali-resistance, high or low temperature resistance, wear resistance, anti-rust and no pollution material and so on.

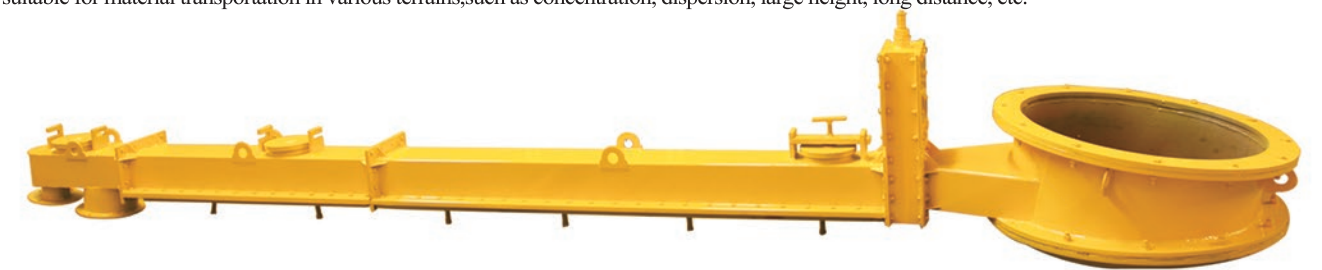
## Wind trough conveyor

Our wind trough conveyor are made of new type breather layer, high quality cotton yarn and chemical fibre which is heat-resisting and corrosion resisting. So it has excellent expansibility, heat resistance, corrosion resistance and uniform airflow stability. The new type breather layer is textiled according to the specific requirements by special equipment. And its technical performance and quality all reach the advanced international level.

Compared with mechanical conveying device, it has the characteristics as follows:

1. It can directly deliver the bulk materials without packages, with high working efficiency and large capacity
2. With simply structure and less space occupation, and there is no movable parts in the main machine, with light weight, long service life and low maintenance cost.
3. It can be operated remotely and automatically with less operator and low cost.
4. The conveying pipe can be arranged flexibly, which can rationalize the factory equipment configuration.
5. It not only can prevent the transportation material to be affected with damp or polluted, but also can reduce the dust.
6. It can mix, dry by grade, heat and cool the materials in the process of delivery.
7. It is suitable for material transportation in various terrains, such as concentration, dispersion, large height, long distance, etc.

Model	Length	Conveying Angle	Conveying Capacity
FC-2015	1-10m	5-20°	45t/h
FC-2518	1-10m	5-20°	70t/h
FC-3025	1-10m	5-20°	120t/h
FC-3525	1-10m	5-20°	180t/h



## U-type screw conveyor

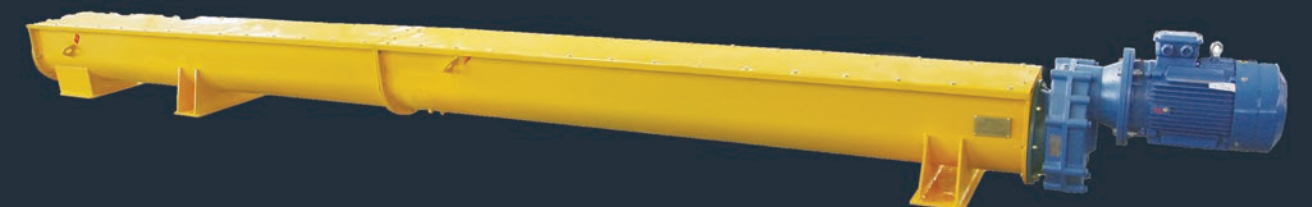
U-type screw conveyor can be used in building materials industry, metallurgical industry, chemical industry, machinery industry, light industry, grain and food industry. It is suitable for delivering powder, granular and small lump materials such as cement, coal ash, grain, chemical fertilizer, mineral powder, sand and sodium carbonate and so on. U-type screw conveyor is not suitable for perishable materials, easily agglomerated materials and the materials with great viscosity.

U-type screw conveyor are suitable to be placed in horizontal or in small angle, the angle should be less than 15 degree. If the angle is too big, please choose tube-type screw conveyor.

### Characteristics

1. Large carrying capacity, safe and reliable
2. It is made in sections with strong adaptability and long service life. With movable cover to ensure the easy installation and maintenance.
3. The machine is in small size with high rotation speed, which ensures the rapid and uniform delivery.
4. With reliable sealing, the cover of the machine is made of manganese plate roll, the ends are connected with flanges to ensure the high integral rigidity.

Model	Length	Conveying Angle	Conveying Capacity
219	1-20m	<15°	30t/h
273	1-20m	<15°	40t/h
323	1-20m	<15°	60t/h
407	1-20m	<15°	100t/h





# DRY-MORTAR EQUIPMENT

## Mobile dry mortar silo

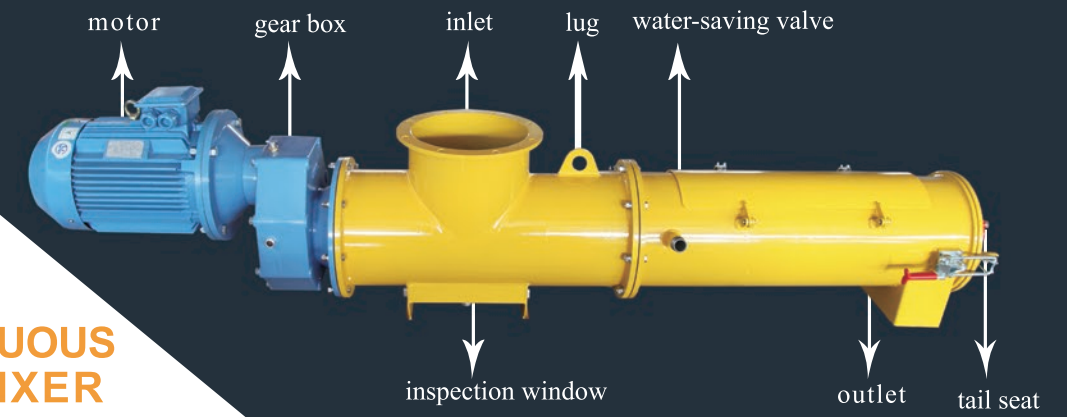
Mobile dry mortar silo is the equipment integrate transportation storage and mixing.

- 1、 Adopt spoke sensor weighing model to realize real-time monitor of storage status.
- 2、 Adopt operation panel control ,easy for operation.
- 3、 Equipped with mixer ,can put wet mortar into use immediately after mixing,improve production efficiency.

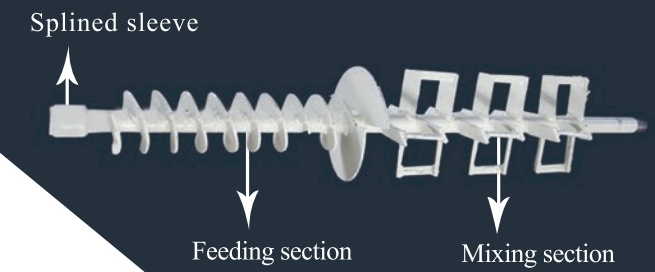


Weight	27.7	t
Actual weight (L)	25	t
Designed pressure (L)	0.05	Mpa
Silo weight	2.7	t
Weighing error	<50	Kg
Dimension	2500X2500X7200	mm

## SMJ CONTINUOUS MORTAR MIXER



- 1、 Continuous mortar mixer is suitable for on-site mixing of aggregate. It can satisfy masonry, plasterer, floor mortar, special mortar, self-leveling mortar and tiles paste, with much higher efficiency than traditional way.
- 2、 Continuous mortar mixer is continuous discharging mixer which integrate materials supply in-proportion, water supply and materials mixing. It main consist of motor, gear box, feeding system, mixing drum, water supply system, control system and so on.
- 3、 Mixing blades adopt steel wear-resisting blade which is fission assembly, reliable in performance and service life is up to 1500t, increased life expectancy more than two times than ordinary blades, and when the blade wear you just replace it, so it is convenient to dismount and maintenance.
- 4、 The machine are compact designed, with quick and even mixing, low power consumption, simple operation and easy maintenance.
- 5、 The gear box use the spline design with good alignment which is strong and durable.

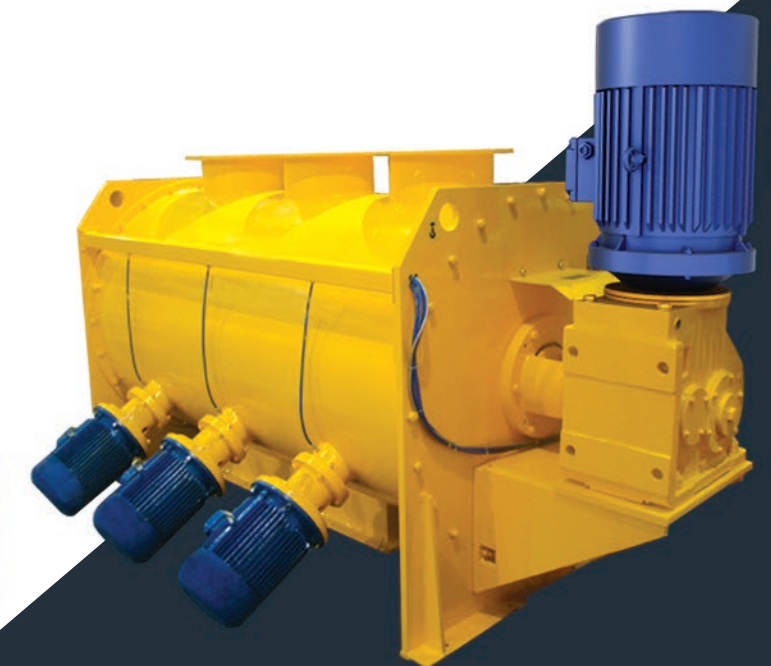


Model	SMJ100	SMJ150
Productivity	≥100L/min	≥150L/min
Motor power	4Kw	5.5Kw
Dimension	2120*300*400	2120*330*400
Weight	160Kg	280Kg
Motorrpm	1440r/min	1440r/min

## MXG Dry-Mortar Mixer

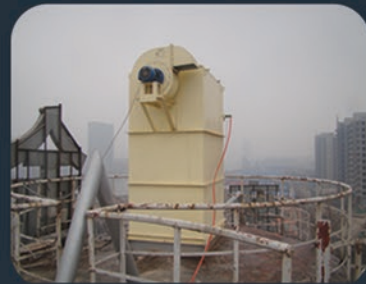
- 1、 Adopt ploughshare blades, with higher mixing speed and efficiency.
- 2、 Blades use high hardness high wear resistance coated materials.
- 3、 Adopt removable drum, which can be replaced after long time usage.
- 4、 Adopt large rectangle discharging door. Discharging speed can be 3 times than traditional one, greatly shorten the discharging time, improve the production efficiency.

Model	MXG2000	MXG3000	MXG4800	MXG6000
Charging Volume (L)	2000	3000	4800	6000
Discharging Volume (L)	1000-1400	1500-2100	2500-3500	3000-4200
Mixing Power (Kw)	30	45	75	90



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## DUST FILTER



JC- type centralized dust filter is researched and developed by our company. which can save cement in amount of 70 million RMB to 100 million RMB for concrete batching plant every year.

### Centralized dust filter

- 1、 No need of preset dust equipment. 1.It can handle the dust with density up to 1000mg/m<sup>3</sup> at a time. And the discharge volume is less than 50mg/m<sup>3</sup>. The process is simple.
- 2、 Embedded flexible bag mouth with good sealing performance. It is convenient to change.
- 3、 The number of reverse pulse valve is less, the capacity of dedusting is high and fast
- 4、 The machine is automatically controlled by the microcomputer,which makes it easy to adjust each parameter. And it can work automatically.
- 5、 The service life of the filter-bag is more than two years.

Model	JC-15	JC-25	JC-30	JC-40	JC-50
Dust control area (m <sup>2</sup> )	16	24	30	40	50
Number of filter-bag	24	36	48	48	64
Height of filter-bag(m)	1.5	1.5	1.5	2	2
Filter-bag array	4x6	6x6	6x8	6x8	8x8
Blast capacity (m <sup>3</sup> /h)	900-1100	1200-1800	1900-2900	2300-3500	2800-4300
Power of fan (KW)	1.5	2.2	2.2	3	4
Dimension(mm)	1700X850X2000	2000X1210X2000	2500X1210X2000	2500X1210X2500	2500X1550X2500

Note: draught fan is optional, dust filter without draught fan can suitable for the filtering enviroment of the big differential

### Host dust filter

#### Working principle

Vibro-suction dust filter uses the interaction of centrifugal suction fan and vibration cleaning to achieve the purpose of dust removal.

#### Constitution

The dust filter is composed of 1.5kw centrifugal fan, vibration motor, vibration plate, Filter element, protective net, outer barrel, clamp, sealing ring, connecting blue plate and so on.

#### Application

The vibration type dust filter is mainly suitable for indoor, mixing plant, mine, metallurgy and dusty place. The equipment has good dust removal effect, easy installation and simple maintenance.

#### Main technical parameter

Model	Dust control area	Dimension	An power	Fan flow	Vibrator Power
ZX-8	11-13 <sup>2</sup>	2150*600	1.5KW	1131-2356m <sup>3</sup> /h	0.065KW



### 24m<sup>2</sup> roof scrubber

24m<sup>2</sup> roof scrubber (pulse type/vibrating type) is the best choice for cement silo and powder silo.It is easy to install and maintain with high cost performance.It use the clearance method of high pressure jet pulse control or interval vibration so that it can clear the dust attached on the filter cores effectively and ensure the filter core in the best air flow state all the time( customers can choose according to their requirements).

Dust control area:24m<sup>2</sup>

Dust control volume:1500m<sup>3</sup>/h

Filter core quantity:12(2.2m<sup>2</sup>/per)

Filter efficiency:99.9%

Simplified color:carbon steel,silver grey

Weight:108kg

Voltage:220V

Gas storage capacity:6L

Gas pressure:5.5-6.6Bar

Type of dedust:pulse type high pressure jet

Vibration motor power:180w

Type of dedust:the interval vibration type

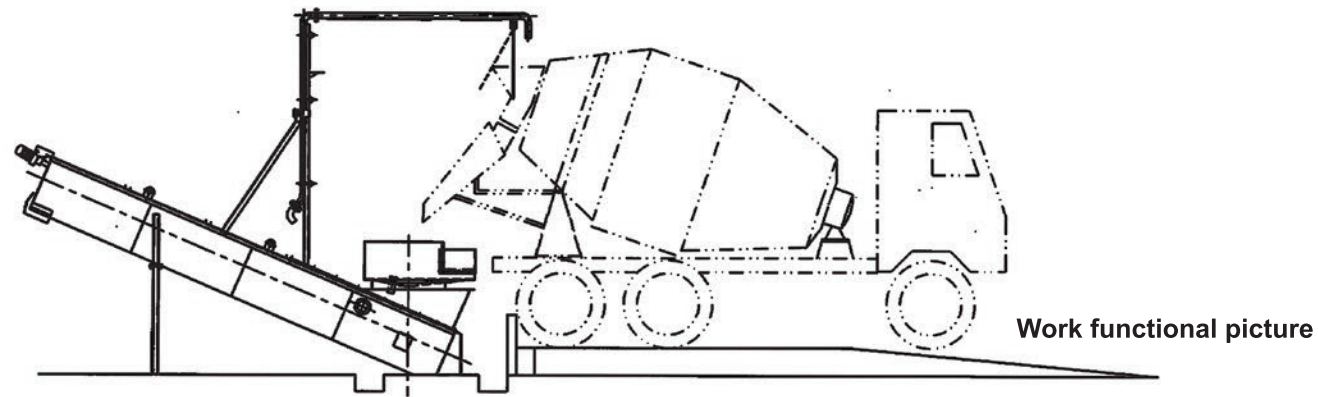
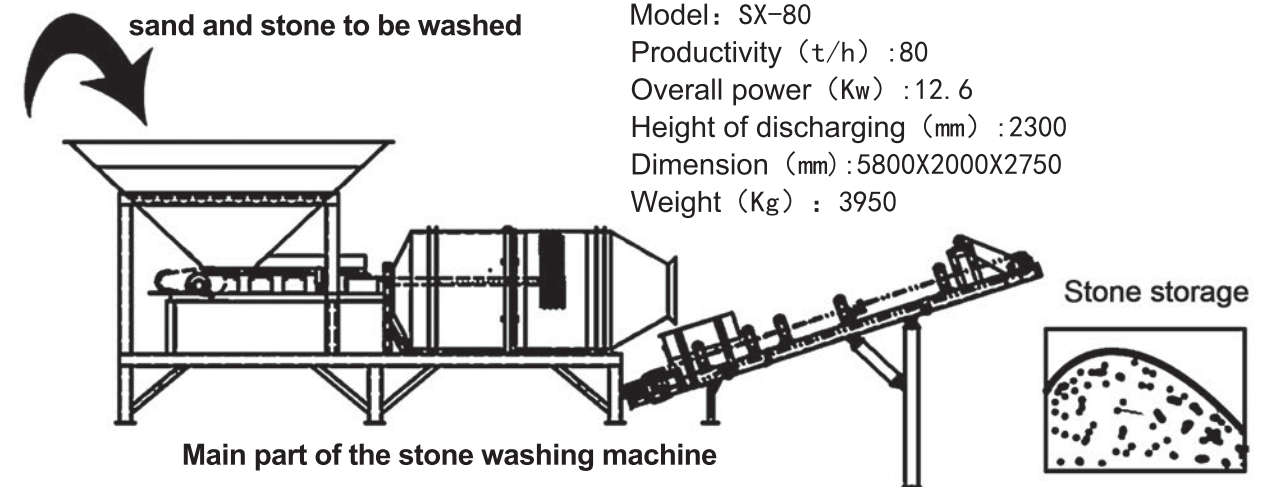
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Separation capability: 45-55T/H  
 Discharge speed: 38r/min  
 Flow of water pump: 25m<sup>3</sup>/h  
 Motor: 3KW  
 Flushing pump flow: 30m<sup>3</sup>/h  
 Motor: 5.5KW

## STONE WASHING MACHINE

- 1、 Simple in structure, unique in design and reliable in performance.
- 2、 High efficiency, good washing performance, simple for operation and easy for maintenance.



## CONCRETE RECYCLING STATION (STONE WASHING MACHINE)

### I. System Composition

HS20 concrete recycling station is composed of concrete gravel separator, filter press, sewage mixing device and electronic control system.

### II. Technical parameters

Maximum concrete handling capacity

### III. Working Principle

1. Preliminary separation of sand and gravel from water by concrete gravel separator
2. Prevent the precipitation of fine particles and cement in sewage by sewage mixing, so as to achieve the purpose of sewage utilization and secondary sewage treatment.
3. The secondary filtration of sewage can be realized by the filter press, and the fine particles such as cement can be separated from water again.



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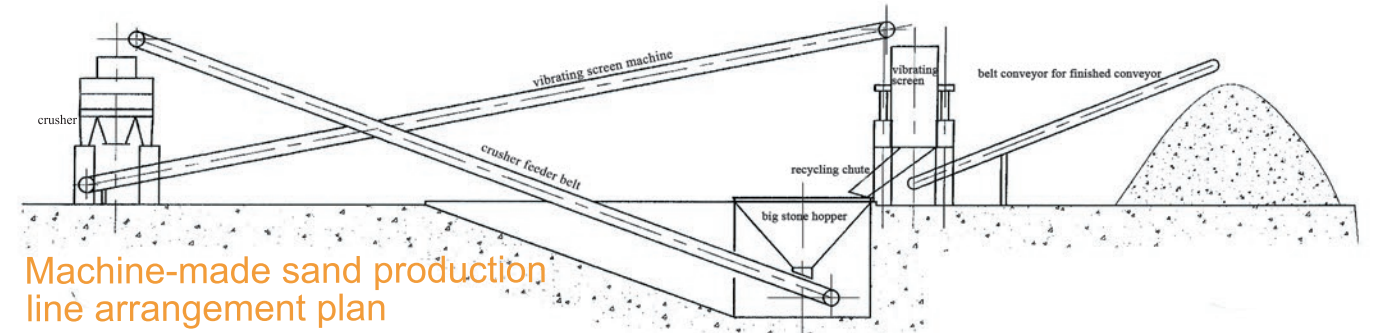
sodium nitrite balance



reaction kettle



material balance



Machine-made sand production line arrangement plan

Machine-made sand production line is totally automatic with simple process, high production efficiency and easy operation. Due to the decrease of the natural sand the use of machine-made sand is becoming more and more popular.

Main equipment: feed hopper, belt roller, jaw crusher, impact crusher and vibrating screen and so on.

The material (limestone, granite, basalt, and cobblestone) enters into the jaw crusher through the feeding machine, then they will enter into the fine jaw crusher through the belt conveyor to be crushed again, then the crushed material will enter into the impact crusher through the belt conveyor to be crushed for the third time, then the crushed material will enter into the vibrating screen, and different stones will be sifted out, those stones that can meet the requirements are transported to the finished product stock pile, and the left unqualified stones will enter into the impact crusher again to be crushed again, then the process will be the same as mentioned above until all the materials are crushed to the qualified sizes as required. The whole process is a closed circuit.

## MACHINE-MADE SAND PRODUCTION LINE

## ADDITIVE PRODUCTION

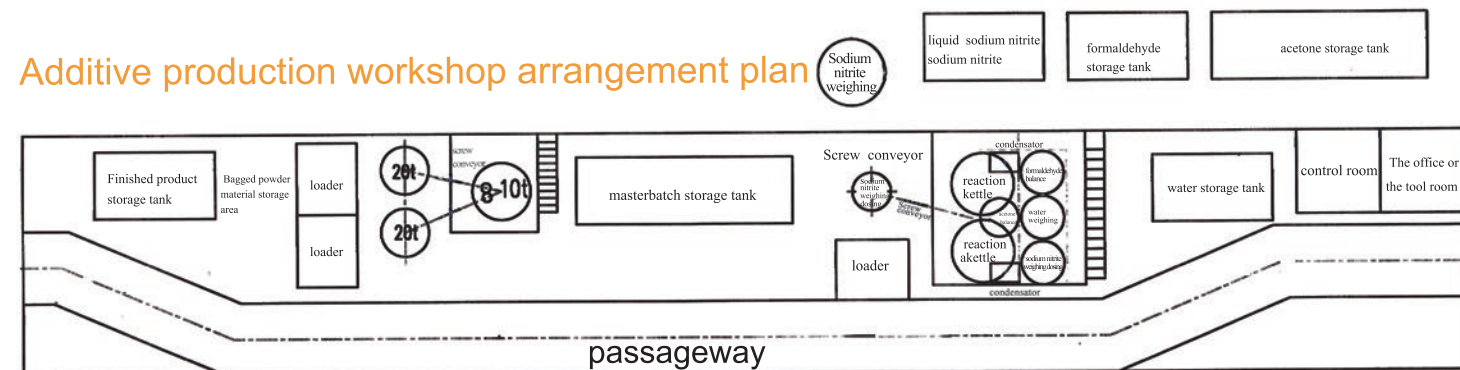
The water saving efficiency of aliphatic additive production is better than that of naphthalene additive, the requirement for the aggregate is not high, and the using cost is lower than that of naphthalene additive. Our company can provide the production technology process and equipment for producing aliphatic additive. We mainly produce the production line of additive stoste with an annual production capacity of 500t, 1000t, 1500t, 2000 and 3000t, the equipment is with advanced technology, reliable performance, good quality and low cost, which will bring you remarkable economic benefits.

This production line includes the process of composing and re-compounding of master-batch, which is used for producing aliphatic additive used for concrete. The feeding system, weighing, reaction kettle mixing and compounding process are all automatic.

The additive synthetic production line can be operated by only 1-2 operators as it is totally automatic with simple synthesis technology and small installation space occupation, during production there is no sewage discharge and without requirement of heating system.

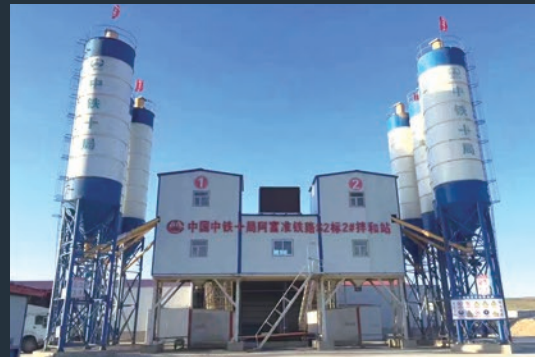
We can produce the production line with productivity of 10t-40t/day, in order to reduce the cost, we can equip a feeding system with several reaction kettles according to customer's requirement, which can not only increase the output but also can reduce the equipment cost.

Additive production workshop arrangement plan



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## ENGINEERING CASE



HIGH-TECH ENTERPRISE OF SHANDONG PROVINCE  
 FAMOUS BRAND OF SHANDONG PROVINCE  
 FAMOUS BRAND OF JINAN CITY  
 ISO9001 QUALITY MANAGEMENT SYSTEM CERTIFICATE  
 CE CERTIFICATION  
 MUNICIPAL ENTERPRISE TECHNOLOGY CENTER OF  
 DEZHOU CITY  
 MEMBER OF CONCRETE MACHINERY CHAPTER OF CHINA  
 ENGINEERING MACHINERY INDUSTRY ASSOCIATION  
 MEMBER OF MATERIAL CHAPTER OF CHINA CONSTRUCTION  
 ASSOCIATION

## COMPANY MISSION

After sale service center will sign the long term after sale service agreement with the customer. The technicians of the after sale service center visit the customer at fixed period, supplying training and maintenance knowledge to customer, and the inspection at job site with the improving suggestion.

For the convenience of the customer, we insist on low quick-wear parts price, making sure the customers using the quality parts.



24H HOT LINE  
 400-6538-688

**We take “ Top Quality and Credibility First ” as our target, supplying our customers the excellent products and services.**

In order to keep a complete product structure as well as safe and functions of your mixing machine, we strongly recommend using our original parts and fittings. We will not take any liability for any damaged products and accidents caused by using of other brands' parts or easy damaged parts as substitution or mounting and dismantling without our permission, and offering no maintenance or repair for related products.

### Service Promise

- ◆ Providing free operation and maintenance training services to users periodically.
- ◆ Offering free maintenance and repair within one year after delivery, for breakdowns due to quality problems.
- ◆ Providing lifelong maintenance and supplying parts.
- ◆ Establishing customer files, for long-time follow-up service.
- ◆ Giving feedback within 30 minutes after receiving service calls
- ◆ Minor failure will be solved in 3 hours
- ◆ If the failure could not be solved by phone, our technicians will arrive in 36 hours within 2000kms, 48 hours within 3000kms.
- ◆ If the production stopped, our after sales service technicians will arrive in 24 hours with the new parts (only in domestic)
- ◆ Establishing the 400 calling center, customers enjoying the real quality service of MIX.

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**BRILLIANCE  
FOCUS ON THE GLOBAL VISION**

**CONNOTATION  
SET UP AS GIANT MODEL**

