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Innovating Chinese high end product

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Concrete Mixing Station



www.sdmix.cn

ShanDong Mix Machinery Equipment Co., LTD

For High-speed railway



Features

- 1. Equipped with a humidity and temperature tester, offering real-time temperature and humidity detection, as well as a control system to ensure the quality of the concrete.
- 2. Computer control system with smart user interface
- 3. High-quality sensors and weighing instruments with high precision and fast response time.
- 4. French Schneider Electric components and advanced manufacturing technology offering high reliability.
- 5. High reliability with optimized efficiency and advanced functions.
- 6. Modular design, simple and convenient installation
- 7. fully enclosed structures, and the dust removal effect satisfy national standards.
- 8. Four-screen remote monitoring system, providing clear operating status
- 9. easy to use working interface
- 10. Equipped with door-opening and power-off protection to ensure safety
- 11. The batching system adopts the design of double-door coarse and precise weighing, with fast batching speed and high precision.



Model	HZS60	HZN60	HZS90	HZN90	HZS120	HZN120	HZS180
Theoretical Production Rate m³/h	60	60	90	90	120	120	180
Model of the host	JS1000	MP1000	JS1500	MP1500	JS2000	MP2000	JS3000
Batching system	PLD1600	PLD1600	PLD2400	PLD2400	PLD3200	PLD3200	PLD4800
Discharging height (mm)	4100	4100	4100	4100	4100	4100	4100
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)
Cycling time(s)	60	60	60	60	60	60	60
Aggregate measuring accuracy	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Concrete measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Water measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Admixture measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Host efficiency(KW)	106	114	145	145	175	175	215

For Pipeline



Features

- 1. Equipped with a humidity and temperature tester, offering real-time temperature and humidity detection, as well as a control system to ensure the quality of the concrete.
- 2. Computer control system with smart user interface
- 3. High-quality sensors and weighing instruments with high precision and fast response time.
- 4. French Schneider Electric components and advanced manufacturing technology offering high reliability.
- 5. High reliability with optimized efficiency and advanced functions.
- 6. Four-screen remote monitoring system, providing clear operating status
- 7. The control software can automatically calculate the amount of concrete for pipe piles according to the length, diameter or side length, and can set the amount of automatic compensation. The distribution trolley is equipped with an electronic scale, which can automatically distribute the concrete weight of each pipe pile.
- 8. The vertical shaft planetary mixer, which is especially suitable for mixing high-grade dry hard concrete.
- 9. The mixing building adopts an automatic feeding system, which can be completely separated from manual operation.
- 10. The batching system adopts the design of double-door coarse and precise weighing, with fast batching speed and high precision.



Model	HZ(L)N60	HZ(L)N90	HZ(L)N120	HZ(L)N180
Theoretical Production Rate m²/h	60	90	230	180
Model of the mixing host	MP1000	MP1500	MP2000	MP3000
Batching system	PLD1600	PLD2400	PLD3200	PLD4800
Discharging height (mm)	4100	4100	4100	4100
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)
Cycling time(s)	60	60	60	60
Aggregate measuring accuracy	±2%	±2%	±2%	±2%
Concrete measuring accuracy	±1%	±1%	±1%	±1%
Water measuring accuracy	±1%	±1%	±1%	±1%
Admixture measuring accuracy	±1%	±1%	±1%	±1%
Host efficiency(KW)	106	145	175	215

For Eco-friendly usage



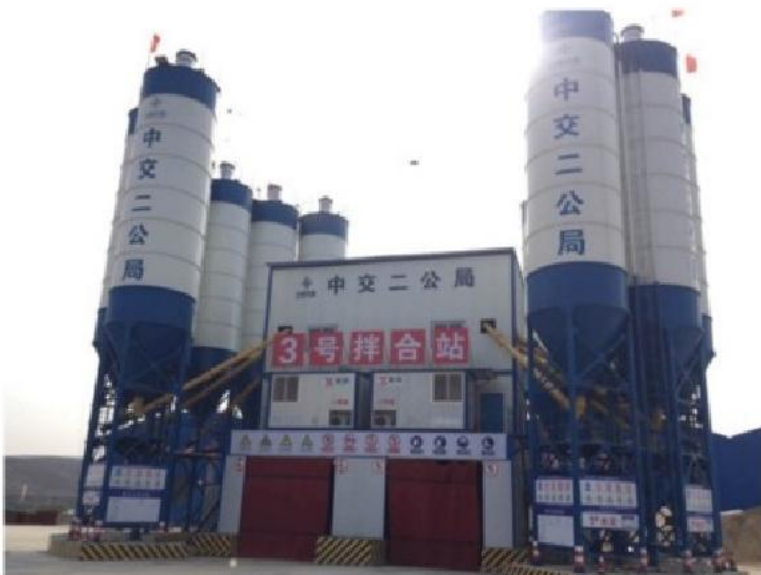
Features

- 1. The batching machine adopts the ground warehouse structure, which can be made into a fully enclosed form to reduce dust and noise pollution.
- 2. The cement silo adopts an upper structure, which reduces the power consumption of powder feeding and saves a lot of energy. At the same time, it reduces the maintenance of the screw machine, saves a lot of time and cost for the user, and increases the efficiency.
- 3. The main building adopts double dust removal structure, which increases the dust removal effect and reduces pollution.
- 4. Full computer control, with functions such as formula storage, automatic compensation of drop, automatic compensation of water content, automatic storage and printing of results.
- 5. High-quality sensors and weighing instruments with high precision and short response time.
- 6. French Schneider Electric components, advanced manufacturing technology, high reliability.
- 7. High-reliability industrial computer, optimized design, advanced functions.
- 8. The main building and material conveying system are fully enclosed structures, and the dust removal effect exceeds the requirements of national standards.
- 9. Four-screen remote monitoring system, the operating status is clear at a glance.
- 10. Humanized working interface, easier operation and easier management.
- 11. The maintenance channel of the mixer is equipped with door-opening and power-off protection to ensure safety and reliability.
- 12. The batching system adopts double-door coarse and precise weighing design, and adopts the national patent discharge door structure, which has fast batching speed and high precision.



Model	HZS60	HZS90	HZN90	HZS120	HZN120	HZS180	HZN180	HZS240
Theoretical Production Rate m ² /h	60	90	90	120	120	180	180	240
Model of the host	JS1000	JS1000	MP1500	JS2000	MP2000	JS3000	MP3000	JS4000
Batching system	PLD1600	PLD2400	PLD2400	PLD3200	PLD3200	PLD4800	PLD4800	PLD6400
Discharging height (mm)	4100	4100	4100	4100	4100	4100	4100	4100
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)
Cycling time(s)	60	60	60	60	60	60	60	60
Aggregate measuring accuracy	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Concrete measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Water measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Admixture measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Host efficiency(KW)	106	145	145	175	175	215	215	245

Modular Station



Features

This series of mixing plants adopts a modular design, which is flexible in movement, convenient and fast in assembly, free of special foundations and commissioning. It only takes three days from installation to use. The control room, laboratory, and maintenance room are all available, which saves costs and is an ideal equipment for engineering construction.

1. The twin-shaft forced mixer with excellent performance is used as the supporting host. It has the remarkable advantages of fast stirring speed, wide stirring range and high quality concrete. It can meet the needs of different users to the greatest extent.
2. Adopt inching feeding technology to ensure dynamic measurement accuracy of $\pm 1\%$.
3. Equipped with touch screen, microcomputer, two sets of operating systems, and three working modes: manual, semi-automatic and automatic. Ensure equipment operation is reliable.
4. Comprehensive consideration is given to concrete process requirements and all functions are available. It has unique functions such as ratio storage, automatic compensation for head drop, automatic compensation for moisture content of sand and gravel, alarm correction for under-scale and over-scale, online modification of formula, data storage, query, report, printing and other functions.
5. It adopts aviation quick plug and is pre-debugged before leaving the factory to ensure fast and reliable installation and debugging.

	Model			
	YHZS60	YHZS90	YHZS120	YHZS180
Theoretical Production Rate m ³ /h)	60	90	120	180
Model of the host	JS1500/1000	JS2250/1500	JS3000/2000	JS4500/3000
Batching system	PLD1600	PLD2400	PLD3200	PLD4800
Discharging height (mm)	4000	4000	4200	4200
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)
Transportation size (L x W x H)	17500X2300X4300	17500X2300X4300	17500X2300X4300	17500X2300X4300



Commercial Station



Model	HZS60	HZN60	HZS90	HZN90	HZS120	HZS180 (150)	HZS240 (200)
Theoretical Production Rate m³/h	60	60	90	90	120	180 (150)	240 (200)
Model of the host	JS1000	MP1000	JS1000	MP1500	JS2000	JS3000	JS4000
Batching system	PLD1600	PLD1800	PLD2400	PLD2400	PLD3200	PLD4800	PLD6400
Discharging height (mm)	4100	4100	4100	4100	4100	4100	4100
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)	60(80)
Cycling time(s)	60	60	60	60	60	60	60
Aggregate measuring accuracy	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Concrete measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Water measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Admixture measuring accuracy	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Host efficiency(KW)	106	114	145	145	175	215	295

Features

1. Excellent mixing performance

The mixing host adopts Italian technology. The mixing performance is strong, the mixing is uniform and rapid, and the productivity is high. Good mixing effect can be achieved for dry hard, plastic and concrete with various ratios. The mixer liner and mixing blade are specially treated, and the unique shaft end support and sealing form greatly improve the service life of the main engine.

2. Highly reliable performance

All electrical components of the control system are imported components, which greatly reduces the failure rate of the equipment.

3. Unique non-stick shaft technology

Through the unique design and reasonable distribution of parts and actions such as mixing arms, mixing blades, material feeding point positions, and material feeding sequences, the problem of concrete sticking is solved and the labor intensity of workers is reduced.

4. Precise measurement accuracy

It adopts the control method of microcomputer plus instrument, which has fast calculation speed and short response time; combined with the inching feeding and automatic weighing functions, the measurement accuracy reaches and exceeds the national measurement standards in a dynamic manner.

5. Perfect industrial design

The whole machine is beautiful in shape, reasonable in structure and layout, pleasant in color, more comfortable in operation and more convenient in maintenance. Strict logical thinking, profound design concept, comprehensive ergonomics processing and exquisite detail design are the guarantee of excellent products.

6. Convenient transition installation

The overall structure is modular. The batching machine, belt conveyor, main body, and screw conveyor are all independent mechanisms. The main body is composed of several independent modules. It can be disassembled and installed quickly during the transition, and the transportation is convenient and fast.

7. Simple operation performance

The whole machine is controlled by computer, which can be controlled automatically or manually. The operation is simple and easy to master. The dynamic panel display can clearly understand the operation status of each component, and can store and print report data at the same time.

8. Good maintenance performance

Each maintenance and repair part is equipped with a walking platform or ladder, which is directly visible and has enough operating space. There are two sets of devices for cleaning the main engine, namely pump flushing and manual operation, and they can work at the same time. The fully enclosed or semi-enclosed equipment of the station ensures that all operations can be carried out rain or shine.

9. Excellent environmental performance

All powdery materials, from feeding, batching, metering, feeding to stirring and discharging, are all carried out in a sealed state. The fully enclosed structure of the mixing body and aggregate belt conveyor greatly reduces the environmental pollution caused by dust and noise; the powder bin centralized dust removal system and sand and sewage treatment and recovery system can be configured according to customer needs, truly achieving Zero emissions and no pollution.

10. TV monitoring system

According to the user's ordering requirements, several TV monitors can be set up (usually four points) to monitor the batching machine, concrete mixer outlet, etc. in real time.

Batching Plant



Features

The lifting batching mixing plant is a complete set of fully automatic concrete mixing equipment consisting of batching, mixing, electrical control, etc. Main features of this machine:

- 1. Adopting a combined structure, the installation and relocation of the whole machine is very convenient.
- 2. The mixing host adopts a twin-shaft forced concrete mixer, which has good mixing quality and high efficiency.
- 3. The aggregate batching system of this series of batching plants adopts individual metering or cumulative metering, which is accurate in metering and high in production efficiency.
- 4. The batching of aggregate, cement, water and liquid admixture is measured by electronic scale, with high batching accuracy.
- 5. The water supply system adopts the principle of siphon water pump pressurization to speed up the water flow and spray evenly.
- 6. The main components of the electrical control system are reliable

Model	HZS25	HZS35	HZS50	HZS75
Theoretical Production Rate m³/h	25	35	50	75
Model of the host	JS500	JS750	JS1000	JS1500
Batching system	PLD800	PLD1200	PLD1600	PLD2400
Discharging height (mm)	3800(1600)	3800(1600)	3800	3800
Diameter of aggregate (mm)	60(80)	60(80)	60(80)	60(80)
Cycling time(s)	72	72	72	72
Aggregate measuring accuracy	±2%	±2%	±2%	±2%
Concrete measuring accuracy	±1%	±1%	±1%	±1%
Water measuring accuracy	±1%	±1%	±1%	±1%
Admixture measuring accuracy	±1%	±1%	±1%	±1%
Host efficiency(KW)	60	70	100	110

Trailer Mobile



Features

This series of mixing plants adopts a semi-trailer design. Comes with walking system and standard traction pin. The mixing station can be towed away with a truck head. Compact structure, fast erection, no foundation, no debugging, it only takes one day from installation to use. In order to facilitate long-distance transportation, the mixing plant can be split into several standard modules, loaded into containers.

- 1. The twin-shaft forced mixer with excellent performance is used as the supporting host. With fast stirring speed, stirring It has obvious advantages such as wide mixing range and high quality concrete. It can meet the needs of different users to the greatest extent.
- 2. The inching feeding technology is adopted to ensure the dynamic measurement accuracy of ±1%.
- 3. Equipped with touch screen, microcomputer, two operating systems, manual, semi-automatic and automatic three working modes
- 4. Fully consider the technical requirements of concrete, with all functions. It has unique functions such as proportion storage, automatic compensation for height difference, automatic compensation for sand and gravel moisture content, under-scale and over-scale alarm correction, online modification of formula, data saving, query, report, and printing.
- 5. The aviation quick plug is used, and the factory is pre-tested to ensure fast and reliable installation and debugging.

Model	YHZS35	YHZS50	HZS75
Theoretical Production Rate m²/h	35	50	75
Model of the host	JS1125/750	JS1500/1000	JS2250/1500
Batching system	PLD1200	PLD1600	PLD2400
Discharging height (mm)	4000	4000	4000
Diameter of aggregate (mm)	60 (80)	60 (80)	60 (80)
Transportation size (L x W x H)	17500 x 2300 x4300	17500 x 2300 x4400	17500 x 2300 x4300