



## Concrete Batching Plant



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## Preface

Begin from 90 time metaphase, we the first in the country to introduce the computer automation control system to concrete production, has developed the four generation, the four generation in this control system, we take the centralized control mode as the core and foundation, the concrete produced by a single concrete mixing plant production, upgrade to the network information of concrete enterprise group shared production, advanced technology, we have been committed to the concrete automation production, to lead and advance the automation level of concrete production.

## Company Profile

Haomei Machinery Equipment Co., Ltd is located in the famous machinery capital of Zhengzhou, China. We are a professional concrete machinery manufacturer, specialized in the production and export of mobile concrete mixer, concret mobile concrete plant, concrete pump, truck pump with boom, truck mixer, etc. We adhere to the policy of "QUALITY FIRST AND INTEGRhpable goal.

Our company covers over 100 acres with workshop area of more than 50,000 square meters has 5 branches. We have over 1000 technical workers and 80 engineers equipped with advanced producing and inspecting machines with strict management. We focus greatly on our products quality and with such quality our products have been receiving popularity by clients from more than 30 countries .

We build files for clients by computer so that we can view clients feedback and comments in time, tracking services and long-term warranty. In this way our clients will feel assured and comfortable in using our equipments..

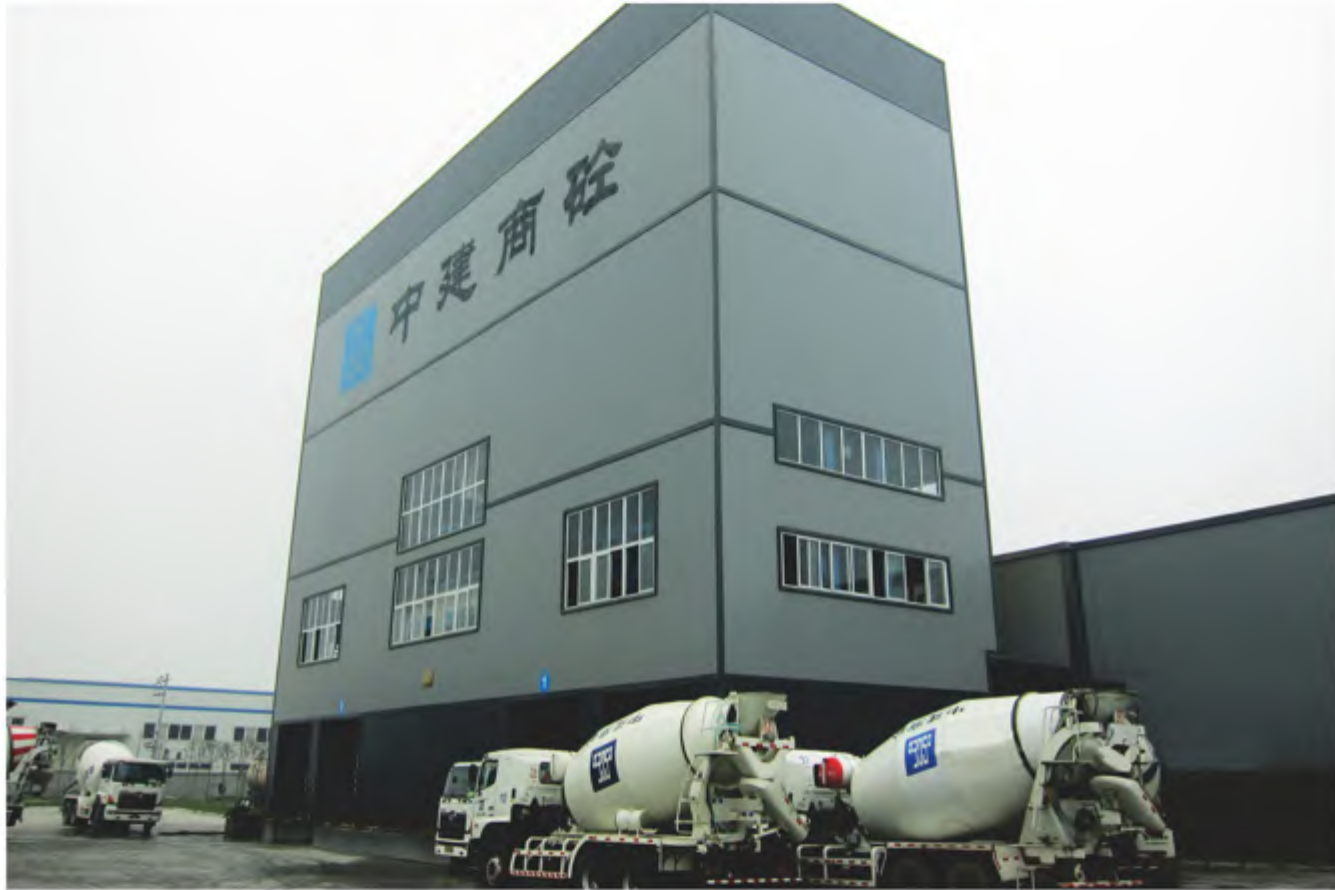
Our main product: JZC/JZM250, 350, 500,750 mobile concrete mixers, PLD800, 1200, 1600, 2400, 3200, 4800 concrete batching machine, LSY series screw conveyor, HZS25, 35, 50, 60, 75, 90, 120, 150, 180, 240 concrete batching plant, YHZS25, 60, 75 mobile concrete batching plant, HBT series concrete pumps, truck-mounted boom pumps and concrete drum truck with different capacities. We are confident to attract our clients from all over the world with our best quality concrete batching machines in China!.

we believe, advanced technology, great production management and best service will make us get more clients from all over the world.



## Concrete batching plant(stationary type)

High efficiency/low energy consumption/  
excellent environmental protection



Concrete mixing plant is designed by our engineer who has researched for many years. We combined the most advanced technology which is concrete mixing technology, industrial computer control system, network management system from home and abroad.



## Why choose us? 8 points

### 1. Mixing console – mixing performance

Concrete Mixer is Italy Sicoma mixer or Germany BHS mixer—strong mixing performance, and rapid, high productivity. For dry, rigid, plastic and all kinds of concrete it all can reach good mixing quality concrete.

### 2. The reliability of the control system.

PLC adopt international famous brand and completely self-developed software control system, which it allows two computer to work at the same time for the whole production process. Automatic, semi automatic and manual mode are available.

### 3. The dust

Using HAOMEI homemade pulse bag type for dust collector bag.

### 4. The pneumatic system

Pneumatic system and the amount of air compressor tank adoption, is to ensure adequate pressure sensitivity and actions. Air system accessories has automatic drainage structures.

### 5. Powder metering system

Flexible joint implemented in this powder scale of high

bending angle could eliminate trouble of dragging scale. The powder guiding mechanism could reduce blockage possibility of mixer shaft.

### 6. Water metering system

Implemented transition liquid tank and technology water weighing system use flow meter technology delicate weighing of water ensure accuracy of weighing. The water discharge adopts self-flow technology.

### 7. Additive metering system

Implemented two sets of weighing system of stainless steel. Using self-flow of additive to carry out weighing. The additive could be charged prior to, after or simultaneously. It is available to clean additive scale after every act.

### 8. Horizontal belt conveyor and inclined belt conveyor

Removable friction rubber roller group is to adjust diverged belt conveniently and thoroughly sealed bearing housing and reinforced bearing.

## HZS Series Concrete Batching plant

	Types	HZS60	HZS90	HZS120	HZS180	HZS240	HZS270
1	Productivity (m <sup>3</sup> /h)	45~60	70~90	100~120	150~180	200~240	225~270
2	Mixer Type	Sicoma mixer or Germany BHS mixer					
3	Mixing Capacity (cubic)	1	1.5	2	3	4	4.5
4	Batching scale						
5	Stone scale ( kg )	1000	1500	2000	3500	4800	5400
6	Sand scale ( kg )	1000	1500	2000	3500	4800	5400
7	Cement scale ( kg )	600	800	1200	1500	2200	2400
8	Coal ash scale、 mineral powderscale ( kg )	300	450	600	800	1200	1350
9	Additive scale ( kg )	20	30	50	80	100	120
10	Water scale ( kg )	300	500	800	1000	1200	1350
11	Belt width ( mm )	650	650	800	1000	1200	1200
12	Total power	130kw	170kw	220kw	280kw	320kw	340kw

## ■ Skip-type Concrete batching plant

Convenient transportation / save space /  
High efficiency/compact structure



HZS series modular concrete mixing plants are especially designed for hydropower station, high speed road, railway, bridge, dock, airport and various construction site. It also can be used to make concrete for construction site such as construction projects, city construction and prefabrication factories. This model of the plants are easy to be installed, dismantled and transported.

## ■ Four features of Project plant:

1. Modular design, easy installation
2. Compact structure
3. The whole installation only 7-10 days
4. Steel base acceptable



## ■ HZS Series Skip-type Concrete Batching plant

	Types	HZS50	HZS75
1	Productivity (m <sup>3</sup> /h)	45-50	60-75
2	Mixer Type	JS1000	JS1500
3	Mixing Capacity (m <sup>3</sup> /min.)	0.5	0.75
4	Max. Aggregate Size (mm)	80	80
5	Discharge Height	4.1m	4.1m
6	Aggregate scale and Accuracy (kg)	1000 kg +/-2%	1300 kg +/-2%
7	Cement scale and Accuracy (kg)	800kg +/-1%	1100kg +/-1%
8	Water range and Accuracy (kg)	350kg +/-1%	500kg +/-1%
9	Additive range and Accuracy (kg)	30kg +/-1%	40kg +/-1%
10	Total power	120kw	165kw

## Concrete batching plant(Project Type)

Convenient transportation / Save Space / easy to install  
High Efficiency/Compact Structure



Concrete mixing plant is used to various project which need concrete, such as ground building, traffic engineering, railway, bridge, dock and various construction site.



## Four features of Project plant:

1. Modular design
2. Compact structure
3. The whole installation only 7-10 days
4. Steel base acceptable



## HZS Series Concrete Batching plant(Project type)

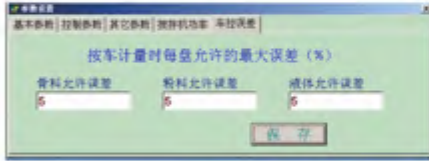
Types	HZS35	HZS60	HZS90	HZS120	HZS180
1 Productivity (m <sup>3</sup> /h)	25-35	45-60	70-90	100-120	150-180
2 Mixer Type	JS750	JS1000	JS1500	JS3000	JS3000
3 Mixing Capacity (m <sup>3</sup> /min.)	0.75	1	1.5	2	3
4 Aggregate Type	3	3	3	3-4	3-4
5 Discharge Height	3.8m	4.1m	4.1m	4.1m	4.1m
4 Agriagete scale and Accuracy ( kg )	1000 kg +/-2%	1000 kg +/-2%	1300kg +/-2%	1500kg +/-2%	3500kg +/-2%
5 Cement scale and Accuracy ( kg )	400kg +/-1%	800kg +/-1%	1100kg +/-1%	1100kg +/-1%	1500kg +/-1%
6 Water range and Accuracy ( kg )	200kg +/-1%	350kg +/-1%	500kg +/-1%	800kg +/-1%	1000kg +/-1%
7 Additive range and Accuracy ( kg )	30kg +/-1%	30kg +/-1%	40kg +/-1%	60kg +/-1%	80kg +/-1%
8 Belt Deliver ( t/hour )	120	200	250	500	700
11 Total power	90kw	130kw	170kw	220kw	280kw

# RCC Concrete Batching plant Series



## Control system

Improve production efficiency on the basis of keeping concrete quality



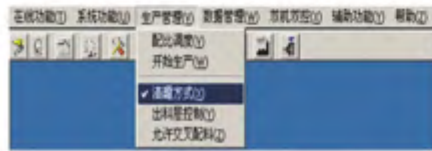
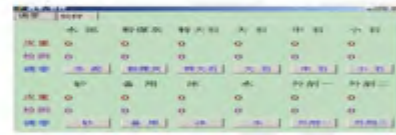
Control the error of concrete production

Computer-aided weighing check



Control the error of concrete production

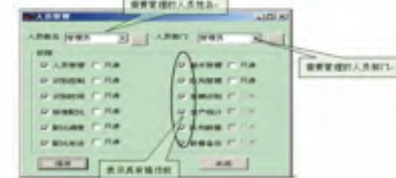
Automatic following function



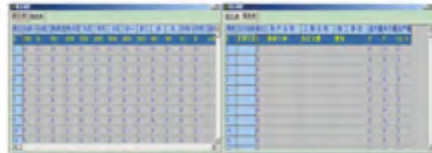
Mixer automatic flushing function



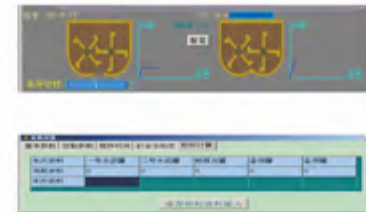
Convenient adjustment for specification



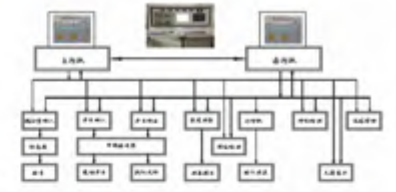
Management for working rights



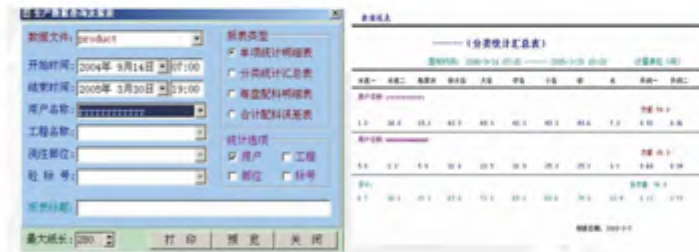
Production proportion and dispatching management



Slump test function online



main control system



Making report for different demands

## Control System

### 01 System stability.

#### Hardware stability

- All components adopt domestic and international famous brands
- Optical and mechanical dual isolation technology
- Redundant hardware components algorithm design
- Online sound and light alarm
- Remote diagnostics function
- Dual-control backups function
- Non-normal alarm function

#### System stability.

- Operating system use Windows XP (above the operating system)
- A key to restore the system (users do not need to make any settings)
- Adopt a unique "software filtering" algorithm
- Online help system (electronic documents and paper operation guide)
- Production personnel rights management

### 02 System efficiency

#### Quality production control

- Concrete dynamic and static error control in  $\pm 0.5\%$
- Concrete production process use rough weighing, accurate weighing.
- Concrete batching initial lead automatic tracing
- Supposing scales is lacking, feeder will fill it automatically, if the scales is overweight, it will auto-reduce.
- Production weight signals use software and hardware filtering function.
- Additive control by Time relay
- Initial lead automatic tracking (manual and automatic self-selection)

#### Efficient control of the production

- Production proportioning and dispatching management with high efficiency
- Quick and easy parameter control adjustment
- Cross batching concrete production
- Produce concrete according to truck mixer's volume.
- Additive could be mixed before, during or after production
- Continuous production features the same concrete grade
- Pre-hopper weight detection

### 03 System advancement

- Computer-aided scales correction and zero auto tracking
- Concrete mixer automatic cleaning function
- Slump line automatic detection and material level detection
- moisture content rate of sand in automatic, manual detection function

- Aggregate could be discharged automatically
- Mixing time could be automatically selected
- Production negative tolerance production
- Black box tracking function

### 04 System exp and ability

Control system uses Windows system multi-threaded, multi-tasking, multi-user, multi-window object-oriented programming approach to the preparation, the various functional modules exist independently, and each other interface modes coexist, can be very convenient for different users, in different functional requirements to provide a variety of

interfaces, you can perform various functions according to user needs.

- Date and report form printing function.
- Various network functions can be extended.
- Automatic vehicle identification function
- Dual computer backups function



Our workshop

