



SANY CONCRETE BATCHING PLANT



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Due to our process of continuous innovation, materials and specifications are subject to change without notice.

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F8

**RAPID ASSEMBLY
CONCRETE
BATCHING PLANT**

Rapid Assembly Design Breakthrough

Quickly build and put into operation. Easy to maintain and relocate.

Innovative Coating Available

Available hot dipped galvanized coating provides long lasting protection against corrosion.



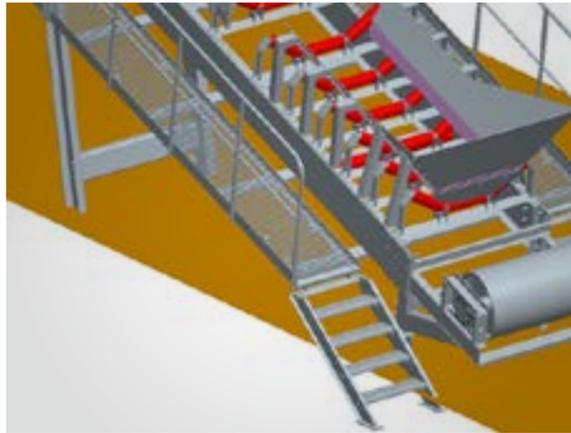
01 RAPID ASSEMBLY DESIGN

Build and put into operation Rapidly. Easy to Maintain and Move

Break away from the traditional welded mode of most concrete batching plants and enjoy our modular design. It is quick and convenient to install, easy to maintain and move. The compact footprint and flexibility will meet the requirements of the more complex work sites.

Designed for Rapid and Convenient Installation

- New control room, designed to be rapidly relocated.
- Modular design of the inclined belt makes it easy to assemble, disassemble and transport. The support uses the open "U" end face and truss structure, thus the belt is simple and quick to install or replace. The toughened rollers effectively solve problems of deviation and adjustment.
- The access steps and walkway are made of galvanized grid plate.



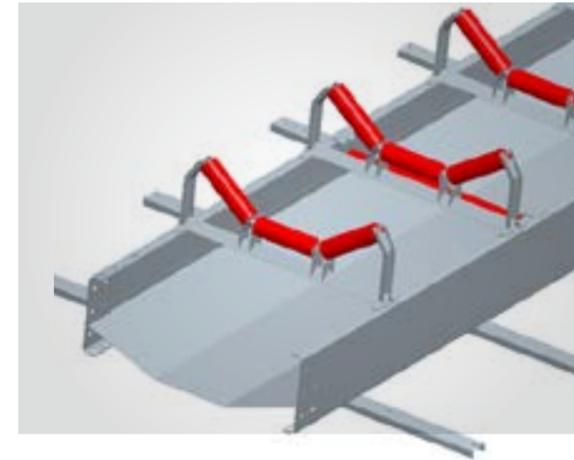
F8
RAPID ASSEMBLY

General components Convenient maintenance

- Mass produced parts allows interchangeability and convenient maintenance.

Flexible to disassemble & assemble Convenient to move

- The new F8 concrete batching plant adopts a modular structure that can be assembled and disassembled rapidly using common hardware. This makes it convenient to move.



- The batching station utilizes a new structure with a feeding height that is 200mm lower than that of the C6. This increases the speed and efficiency of the loader, thus saving energy and fuel consumption.
- The storage silos use a floor type structure. Installed on the ground and easily built on site using common hardware.



02 NEW ERA COATING (Optional)

Excellent rust prevention Lasting protection

Break free of the need to coat on site. Enjoy factory installed hot dipped galvanization anti-corrosion coating to achieve the highest degree of corrosion protection with a service life of 20 years.

■ Ultrahigh toughness Comprehensive protection

The galvanized coating on the components is produced by hot-dipped process that forms a protective structure and effectively prevents damage during transportation and use. All components are completely coated, including crevices and sharp corners.

■ Quick construction Save time and labor

Compared to traditional "coat after build" methods, galvanization at the factory ensures higher quality while saving both time and labor.

■ Lasting protection Benefit for long term

Zinc galvanization anti-rust coating can maintain rust prevention for up to 20 years. The paint costs of up to 150,000 yuan can be saved over the life cycle of the plant.

Comparison between anti-rust processes				
Anti-rust process	Anti-rust time	Cost for single maintenance	Required number of maintenance (life cycle: 15 years)	Total maintenance cost
Traditional coating	≤3 years	30,000	5 times	150,000
Hot-dipped galvanization process	20 years	/	/	0

F8
RAPID ASSEMBLY

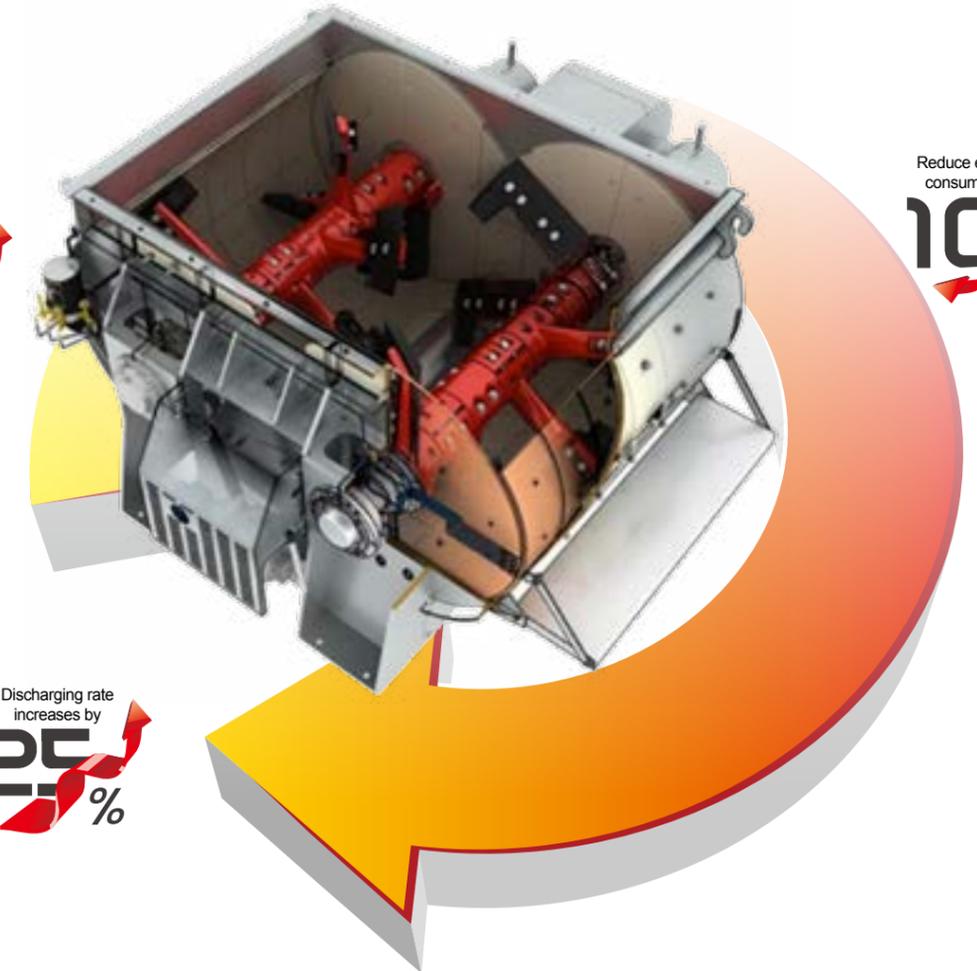
Increase efficiency
10%

Reduce energy consumption
10%

Discharging rate increases by
25%

03 ENERGY EFFICIENT

- To improve mixing efficiency, the discharge ports of the aggregate silo and powder hopper are arranged in the middle of the mixer.
- Production tasks intelligently queue in such a way as to achieve continuous production, improving efficiency by 10%.
- The self adapting control integrates environmental protection and leak reduction to increase the discharge rate by 25%.
- Intelligent production process control reduces energy consumption by 10%.
- To prevent binding associated with material buildup, Sany intelligent cleaning allows cleaning without the need for shutting down the machine periodically. This enhances output and reduces the maintenance workload.



04 INTELLIGENT CONTROL

- The fault diagnostic system displays diagnostic messages in real time and displays reminders for maintenance based on operating conditions.
- The system can be remotely upgraded to ensure the latest functions are available.



05 ENVIRONMENTALLY FRIENDLY

- The enclosed feed design significantly reduces environmental impact.
- Patented pressure relieving technology for the powder silo effectively collects dust and eliminates the need for roof access.
- The optional waste water and waste materials system recycles these valuable materials.



06 EASY MAINTENANCE

- The overhaul cover plates and suspension points of the mixer permit convenient maintenance access and component replacement.
- The hopper cover plate design provides unprecedented convenience for liner examination and replacement.
- The powder hopper has a patented overhaul cap that solves the problem of breather pipe blockage.
- The mixer cover is designed with caking prevention features and is configured with multiple manholes for convenient cleaning.

V8

Small & Flexible

- Small footprint requires less site space
- Enter and exit on both sides. Flexible layout allows setup on any site

Convenient & Fast

- Modular design allows an installation time of only 4 days
- Major components can be quickly and easily relocated

Cost Effective

- Lower initial investment for quicker profits
- Lower aggregate capacity for lower energy consumption
- Lower loader fuel consumption results lower operating costs

Stable & Reliable

- 6 step protection system ensures safety during operation
- Ethernet connections for fast and reliable communications
- Computer controlled manufacturing process



TECHNICAL SPECIFICATIONS

F8 RAPID ASSEMBLY TYPE CONCRETE BATCHING PLANT

Model	F8			
	HZS60F	HZS90F8	HZS120F8	HZS180F8
Theoretical (m³/h)	60	90	120	180
Mixer Model	JS1000	JS1500	JS2000CK	JS3000E
Motor Power (kW)	2×18.5	2×30	2×37	2×55
Cycle Period (s)	60	60	60	60
Nominal Capacity of Mixer (L)	1000	1500	2000	3000
Max. aggregate Size (mm)	Ø60	Ø80	Ø80	Ø80
Powder Lot Bin Capacity (t)	2×50	3×100	4×200	4×200
Aggregate Silo Capacity (m³)	3×10	3×17	4×17	4×25
Category of Aggregate	3(Optional)	3(Optional)	4(Optional)	4(Optional)
Material Discharging Height (m)	4(Optional)	4(Optional)	4(Optional)	4(Optional)
Installed Capacity (kW)	100	200	210	250
Accuracy of Aggregate (kg)	±2%	±2%	±2%	±2%
Accuracy of Cement (kg)	±1%	±1%	±1%	±1%
Accuracy of Fly Ash (kg)	±1%	±1%	±1%	±1%
Accuracy of Water (kg)	±1%	±1%	±1%	±1%
Accuracy of Additive (kg)	±1%	±1%	±1%	±1%
Standard Reference Weight (ton)	40	68	93	101
Charging Mode	Bucket Elevator/ Inclined Belt Type	Inclined Belt Type	Inclined Belt Type	Inclined Belt Type
Electricity Standard	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz

Remarks: when assessing the dynamic accuracy of concrete materials, the batching amount shall be between 30% and 100% of full measuring range of corresponding batch weigher in accordance with national standards.

V8 CONCRETE MIXING PLANT

Model	V8		
	HZS30V8	HZS60V8	HZS90V8
Theoretical (m³/h)	26	50	75
Mixer Model	JS500	JS1000	JS1500
Motor Power (kW)	18.5	37	2×30
Cycle Period (s)	67	72	72
Nominal Capacity of Mixer (L)	500	1000	1500
Max. aggregate Size (mm)	Ø60	Ø60	Ø80
Powder Lot Bin Capacity (t)	1×50	2×50	2×100
Aggregate Silo Capacity (m³)	3×7	3×9	3×10
Category of Aggregate	3(Optional)	3(Optional)	3(Optional)
Material Discharging Height (m)	4(Optional)	4(Optional)	4(Optional)
Installed Capacity (kW)	60	80	140
Accuracy of Aggregate (kg)	±2%	±2%	±2%
Accuracy of Cement (kg)	±1%	±1%	±1%
Accuracy of Fly Ash (kg)	±1%	±1%	±1%
Accuracy of Water (kg)	±1%	±1%	±1%
Accuracy of Additive (kg)	±1%	±1%	±1%
Standard Reference Weight (ton)	20	30	38
Charging Mode	Bucket Elevator	Bucket Elevator	Bucket Elevator
Electricity Standard	380V/50Hz	380V/50Hz	380V/50Hz

