



SANY CONCRETE BATCHING PLANT



SANY HEAVY INDUSTRY CO., LTD.

SANY Industry Town, Changsha Economic and Technological
Development Zone, Hunan Province, China
Service Line: +86 4006 098 318
E-mail: crd@sany.com.cn

www.sanygroup.com



Distributor Info.

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

© Printed in China Date: Jan. 2021

F8

**FAST MOUNTED
CONCRETE BATCHING PLANT**



Items with * are optional

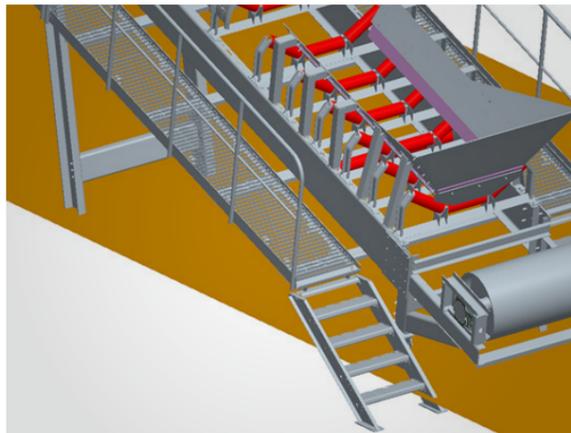
01 FAST MOUNTED

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.



- 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.

F8

FAST MOUNTED

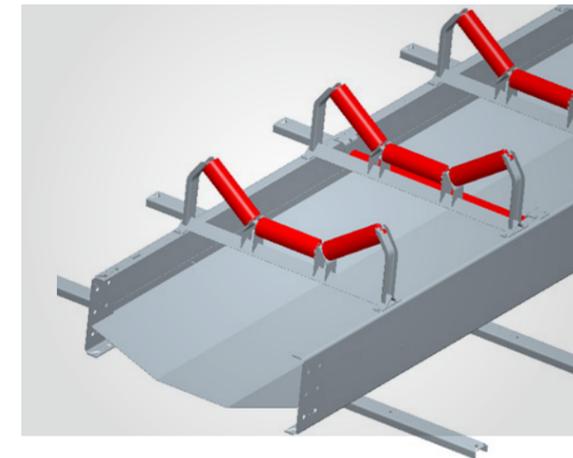


General components Convenient maintenance

- Mass produced parts allows interchangeability and convenient maintenance.

Flexible to disassemble & assemble Convenient to move

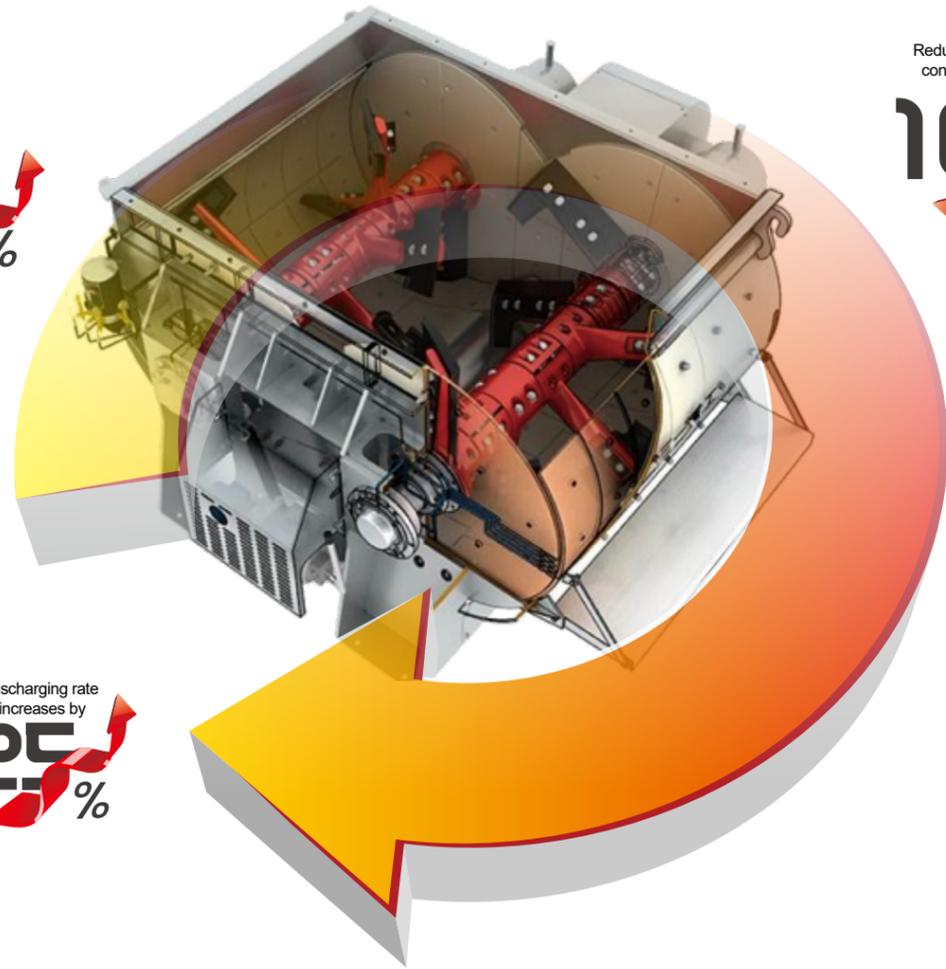
- The new F8 concrete batching plant adopts a modular structure that can be assembled and disassembled rapidly using common hardware. This makes it convenient to move.



Increase efficiency
10%

Reduce energy consumption
10%

Discharging rate increases by
25%



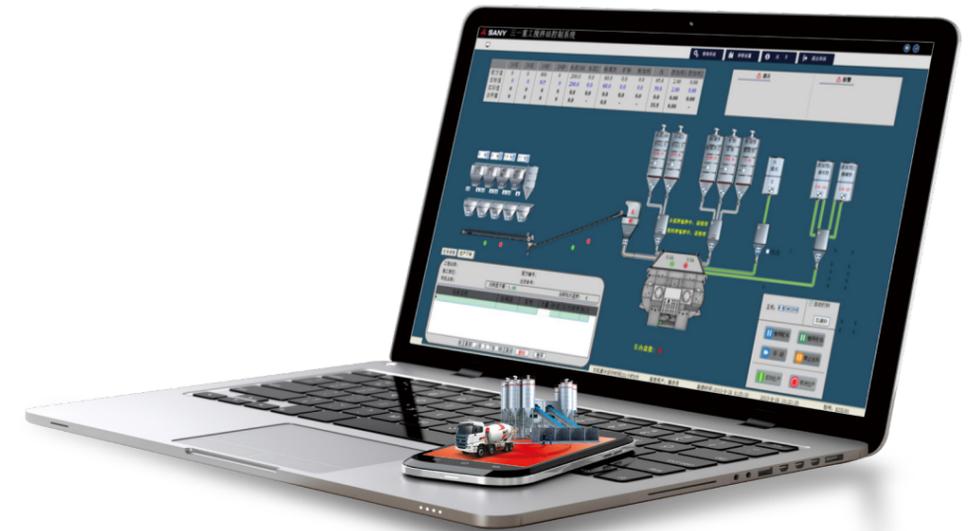
02 ENERGY SAVING

- 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.



03 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.



04 ENVIRONMENTAL PROTECTION

- 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.



Maintenance Cover

05 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.



CONCRETE MIXING PLANT

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

Low Cost

- 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

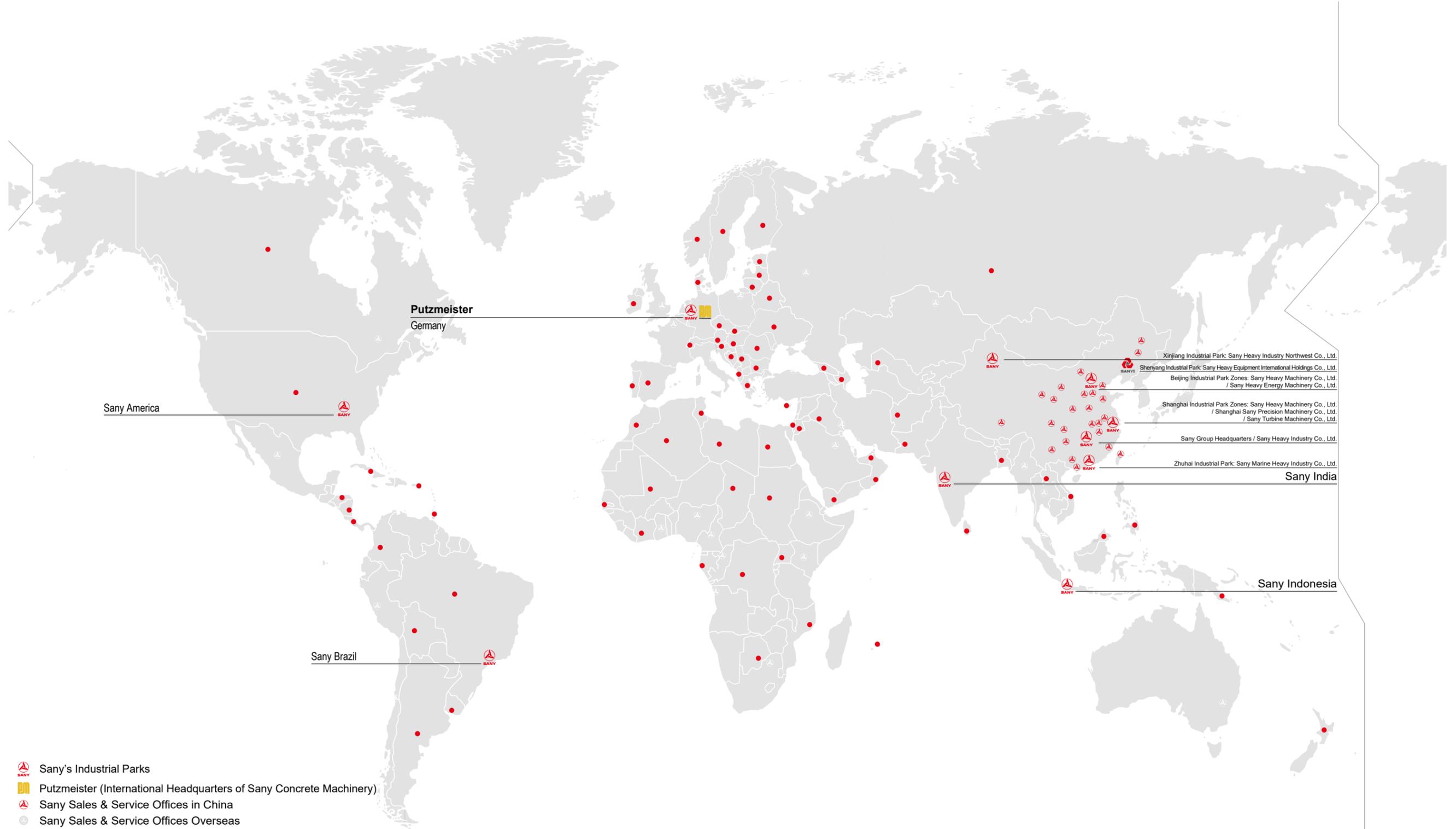
F8 FAST MONTNTED TYPE CONCRETE BATCHING PLANT & G CONCRETE MIXING PLANT

Model	F8 Fast Mounted Concrete Batching Plant				G Concrete Batching Plant		
	HZS60F.0	HZS90F8.0	HZS120F8	HZS180F8	HZS30G	HZS60G	HZS90G.0
Theoretical Productivity(m³/h)	60	90	120	180	30	60	90
Motor Power(kW)	2×18.5	2×30	2×37	45	18.5	18.5	22
Nominal Capacity of Mixer(L)	1000	1500	2000	3000	500	1000	1500
Max. Aggregate Size(mm)	60	80	80	80	60	60	80
Silo Capacity(t)	2×FT50	3×FT100	4×FT200	4×FT200	1×FT50	2×FT50	2×FT100
Aggregate Capacity(m³)	3×10	3×17	4×17	4×25	3×7	3×10	3×10
Category of Aggregate	3	3	4	4	3	3	3
Discharging Height(m)	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Rated Power(kW)	100	190	210	250	52	87	135
Aggregate Metering Accuracy	(600-2500)±2%	(600-2000)±2%	(600-2000)±2%	(900-3000)±2%	(200-1000)±2%	(600-2000)±2%	(600-2000)±2%
Cement Metering Accuracy	(100-700)±1%	(200-1200)±1%	(200-1200)±1%	(300-1800)±1%	(80-300)±1%	(200-1000)±1%	(200-1200)±1%
Fly-ash Metering Accuracy	/	(200-800)±1%	(200-800)±1%	(200-1000)±1%	/	/	/
Water Metering Accuracy	(80-250)±1%	(150-400)±1%	(150-400)±1%	(200-800)±1%	(40-140)±1%	(80-300)±1%	(100-400)±1%
Additive Metering Accuracy	(8-20)±1%	(15-50)±1%	(15-50)±1%	(15-80)±1%	(3-8)±1%	(8-20)±1%	(15-50)±1%
Feeding Mode	Skip	Inclined Belt	Inclined Belt	Inclined Belt	Skip	Skip	Skip
Voltage and Frequency	380V, 50Hz	380V, 50Hz	380V, 50Hz	380V, 50HZ	380V, 50HZ	380V, 50HZ	380V, 50HZ
Reference Weight(t)	39	71	98	106	21	35	43.5

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.

New Concrete Batching Plant

Model	New Concrete Batching Plant				
	HZS60X8.0	HZS90X8.0	HZS120X8.0	HZS120TC10	HZS240C8H
Theoretical Productivity(m³/h)	60	90	120	120	240
Motor Power(kW)	2×18.5	2×30	2×37	2×37	2×65
Nominal Capacity of Mixer(L)	1000	1500	2000	2000	4000
Max. Aggregate Size(mm)	60	680	80	80	80
Silo Capacity(t)	2×FT50	3×FT100	4×FT200	4×FT200	4×FT300
Aggregate Capacity(m³)	3×10	3×17	4×17	4×17	4×25
Category of Aggregate	3	3	4	4	4
Discharging Height(m)	4.2	4.2	4.2	4.2	4.2
Rated Power(kW)	110	190	210	200	280
Aggregate Metering Accuracy	(600-2500)±2%	(600-4000)±2%	(600-4000)±2%	(900-5000)±2%	(900-4500)±2%
Cement Metering Accuracy	(100-700)±1%	(200-1200)±1%	(200-1200)±1%	(200-1200)±1%	(400-2500)±1%
Fly-ash Metering Accuracy	/	(200-800)±1%	(200-800)±1%	(200-800)±1%	(200-1200)±1%
Water Metering Accuracy	(80-250)±1%	(150-500)±1%	(150-500)±1%	(100-400)±1%	(200-1000)±1%
Additive Metering Accuracy	(8-20)±1%	(15-60)±1%	(15-60)±1%	(30-50)±1%	(15-80)±1%
Feeding Mode	Inclined Belt	Inclined Belt	Inclined Belt	Skip	Inclined Belt
Voltage and Frequency	380V, 50HZ	380V, 50HZ	380V, 50HZ	380V, 50HZ	380V, 50HZ
Reference Weight(t)	40	59	92	80.5	137



- Sany's Industrial Parks
- Putzmeister (International Headquarters of Sany Concrete Machinery)
- Sany Sales & Service Offices in China
- Sany Sales & Service Offices Overseas
- Sany Global Coverage