

SYTECHS MOBILE CONCRETE BATCHING PLANTS

**EASY MAINTENANCE
HOMOGENEOUS MIXING**



SMCP SERIES

**2 Years
Extended Warranty**

SYTECHS SMCP MOBILE Concrete Batching Plant is a suitable solution for temporary needs with its features of rapid installation, advantage of starting production in a short time and minimum infrastructure necessity. The SMCP Series mobile concrete plant has the features of being able to have all necessary equipment for concrete production. The cement silo can be supplied Bolted Type or Horizontal type mounted on wheeled mobile chassis, which results in easy transportation and rapid installation advantages.

Sytechs have designed various sizes of mobile SMCP plants, which capacities range from 25 m³/hr to 100m³/hr. All our plants are covered by 1 year international warranty.

The SMCP plants can be supplied in dry module (without mixer) or Wet module (with mixer), depending on customers' requirements.

AGGREGATES FEEDING HOPPERS



AGGREGATES FEEDING HOPPERS

The Aggregates Feeding Hoppers can be supplied in 2 or 4 compartments, depending on the customer's requirements. Aggregates are discharged to the weighing hopper, located underneath, for proper weighing by sizes and according to the mix design of the concrete.

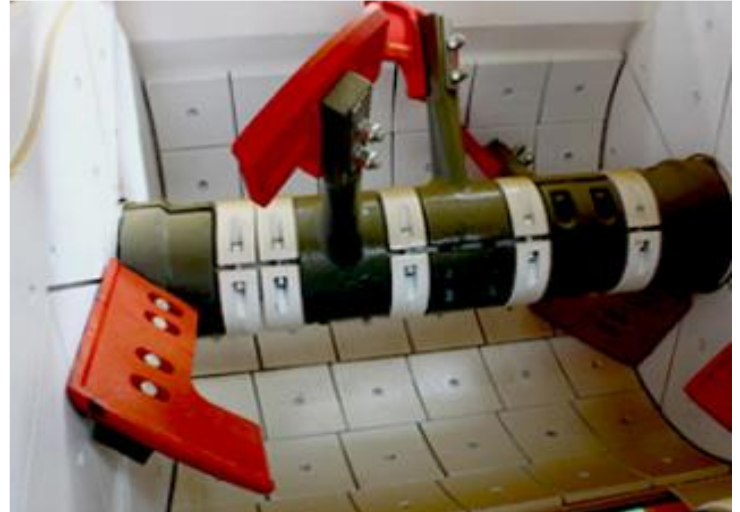
AGGREGATES WEIGHING HOPPER

Weighing Hopper is located just below the aggregate feeding unit. The weighing Hopper is suspended on four load cells. The job of weighing Hopper is to individually weigh the aggregates and discharge them into the feeding conveyor to be discharged into the mixer.



TWIN SHAFT CONCRETE MIXER

The Sytechs Twin Shaft Mixers offer a robust and compact design with thorough mixing of all aggregates. With its large output capabilities from 1 m³ to 4 m³ and fast mixing time, Sytechs Twin Shaft mixer is ideal for applications such as ready mix precast, block making, Concrete Pavement and dam construction, etc. The Sytechs Twin Shaft Mixers' powerful compulsory spiral mixing action throws particles from each side of the mixer towards the center. The water is forced through powerful jets into the mix, where it is absorbed completely, allowing the cement slurry to coat all the aggregate particles uniformly and consequently forming a homogeneous and strong concrete



The anti aging mixer is a double shaft pugmill type. The adoption of the circulation mixing system results in uniform mixing within a short time even with fine grain composition. Liners and tips of the mixer are made of Ni - Hard material and are of anti-abrasive cast alloy steel, ensuring long life and durability. The HR Steel linear plate (with temper hardening) and tips are easily replaceable. The dumper type discharge gate allows smooth discharge of mixture across the full width of the mixer





TECHNICAL SPECIFICATIONS

Model		SMCP-S25	SMCP-40	SMCP-60	SMCP-90	SMCP-120
Output Capacity	M3/hr	25	40	60	90	120
Aggregate Bin	Volume	5.5m ³ *4	5.5m ³ *4	11m ³ *2/5.5m ³ *4	5.5m ³ *4	15m ³ *4
Motorized Pulley	Power	11kW			18.5kW	37kW
Aggregate Weighing	Max.Capacity	1000kg*4		2000kg*4		
Mixer Model	Model	JS500	JS750	JS1000	JS1500	JS2000
Mixer Motor	Power	18.5kW	30kW	22kW*2	30kW*2	37kW*2
Water Weighing Tank	Volume	0.2m ³	0.25m ³	0.25m ³	0.6m ³	1.0m ³
Water Weighing	Max.Capacity	500kg*3			1000kg*3	
Cement Weighing Hopper	Volume	0.2m ³	0.5m ³	0.6m ³	0.8m ³	1.2m ³
Cement Weighing	Max.Capacity	1000kg*3				
Air Compressor	Power	4kW			7.5kW	11kW
Control Room	Dimensions	1.8m*1.5m*2.3m				2.3m*2m*2.3m
Control System	Model	Siemens IPC810				
Printer	Style	24-Bit Pin Printer				



HORIZONTAL & VERTICAL (BOLTED TYPE) CEMENT SILOS



HORIZONTAL MOBILE CEMENT SILOS

Sytechs Mobile & Horizontal type cement silo is a vital solution to make the mobile concrete plants fully mobiles , a great benefit for projects by minimizing site preparation & installation costs as well as transportation cost.

Horizontal type silo body is equipped with vibrators, pneumatic elements and air nozzles to ensure proper cement flow. Thanks to V type horizontal screw conveyor that exists under the silo, cement transfer is realized.

Silo body is installed on a trailer with double or triple axes and wheels to ensure stable mobility.

Silo top filter and safety valve are installed on the silo roof.



BOLTED TYPE VERTICAL CEMENT SILO

SYTECHS Bolted type cement silo have a wide range of applications from concrete plants to block machines and also ground study applications. They are manufactured as bolted or welded type.

The SYTECHS cement silos are equipped with maintenance platform between the legs, cement filling pipe, inner and outer manholes, safety guards, roof flanges for air filter and pressure safety valve. The capacity ranges from 30 Tons to 200 Tons.



SYTECHS CONCRETE TECHNOLOGY



CEMENT SCREW CONVEYORS

Sytechs offers High quality Cement Screws Conveyors with different sizes to meet most types of conveying application.

FULLY AUTOMATIC CONTROL PANEL



CONTROL PANEL

Semi Automatic control panel is supplied as standard while Fully Automatic is Optional

SIEMENS PLC+PC, Computer auto-control module (PLC can be supplied optional).

Schneider ABB and other first class electrical contactors & circuit breakers are supplied as standard with the plant.





**EXTENDED WARRANTY POLICY
(OPTIONAL)**



For more complete information on Sytechs products, dealer services, and industry solutions, please contact: sales@sytechs-minerals.com

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**ISO 9001
QUALITY SYSTEM
CERTIFIED**

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