

**SSCP-H SERIES STATIONARY CONCRETE BATCHING PLANTS-  
HOPPER FEEDING SYSTEM**



SYTECHS SSCP-H STATIONARY Concrete Batching Plant is a suitable solution for temporary needs with its features of rapid installation, advantage of starting production in a short time..

### Main Features of SSCP -H Concrete Batching Plant

- 1) The mixing system adopts SJS series of twin shaft concrete mixer featuring high mixing efficiency, short mixing time, long lasting quick-wear parts and easy maintenance.
- 2) It adopts the latest control technology ( electronic weighing system, computer control and digital display) to guarantee the required concrete mix design.
- 3) The Load cells weighing system provides automatic compensation and high accuracy. It also acts as shock absorber during the hoppers filling process.
- 4) The Hopper lift system is used on small to medium size plants ( 25 to 75 m<sup>3</sup>/hr) for feeding aggregates to the mixer. Such design results in small installation space.
- 5) The plants are supplied with Mixer lubrication system, , Cement & additive hoppers/system, Air compressor, Control room with PLC control system..

### AGGREGATES FEEDING HOPPERS



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The Aggregates Feeding Hoppers can be supplied in 2 to 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. The discharge conveyors are controlled by variable speed drive which results in Higher efficiency and broaden flexibility

### 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 m<sup>3</sup> to 4 m<sup>3</sup> 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.

## VERTICAL (BOLTED TYPE) CEMENT SILOS



### 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.

## TECHNICAL SPECIFICATIONS (HOPPER LIFT SYSTEM)

MODEL	SSCP-25H	SSCP-35H	SSCP-50H	SSCP-75H
Capacity	25-30m <sup>3</sup> /h	35-40m <sup>3</sup> /h	50-60m <sup>3</sup> /h	75-85m <sup>3</sup> /h

