

Compact Batching Plant

CP 30 / CP 45

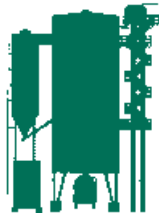


SCHWING STETTER MOVES CONCRETE **WORLDWIDE**

Wherever concrete is produced and moved is where you will find SCHWING Stetter machinery.

With plants in Germany, Austria, USA, Brazil, Russia and India, as well as with more than 100 sales and service facilities, the group of companies is always close to the customer.

Our wide range of products with something for every application is what makes SCHWING Stetter, the No.1 system supplier for concrete machinery worldwide.



CONCRETE MIXING PLANTS



CONCRETE MIXERS



TRUCK-MOUNTED CONCRETE BOOM PUMPS



STATIONARY CONCRETE PUMPS



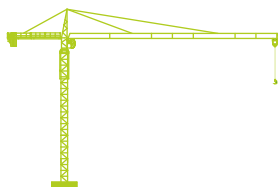
SEPARATE PLACING BOOMS



CONCRETE RECYCLING PLANTS



TOP SHOT RUNNERS



TOWER CRANES

COMPACT AND PROVEN

CP30 CONCRETE MIXING PLANT

CP 30 concrete mixing plant from Stetter has now proven its abilities at more than 2300 locations in India as well as in countless construction sites across the globe. SCHWING Stetter has also launched another compact concrete mixing plant CP 45, which comes with a increased output and added features.

71 years of Stetter experience in the construction and production of concrete mixing plants has been implemented in the newest development of the CP 30 / CP 45. CP 30 concrete mixing plant has a concrete output of approximately 30m³/hr. of compacted concrete for a batch size of 0.5 m³. The new CP 45 concrete mixing plant comes with a output of 42 m³ per hour and has a batching size of 0.75 m³.

These plants are designed fully to meet the requirements as a mixing plant for ready-mix concrete or as a plant at building site. Other areas of use include the precast factories and concrete product industries. Additionally, it is also used for mortar manufacturing.

CP 30 plant is also available with a turbo pan mixer or with a planetary pan mixer for precast concrete production.

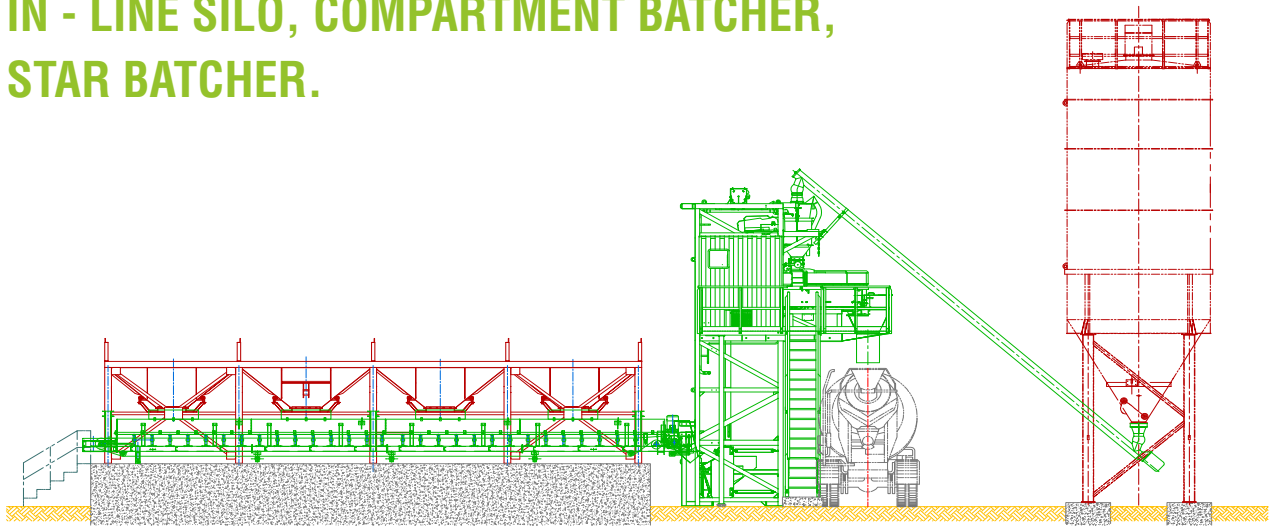
STATE-OF-THE-ART FEATURES

A special characteristic of the CP plant series is the large active and passive reserve provided by the star design. This gives you a high level of independence from the scheduled delivery of aggregates. The CP30 / CP 45 are especially compact when used with a compartment batcher. There are advantages in regard to the space required as well as when transporting the plant to other locations.

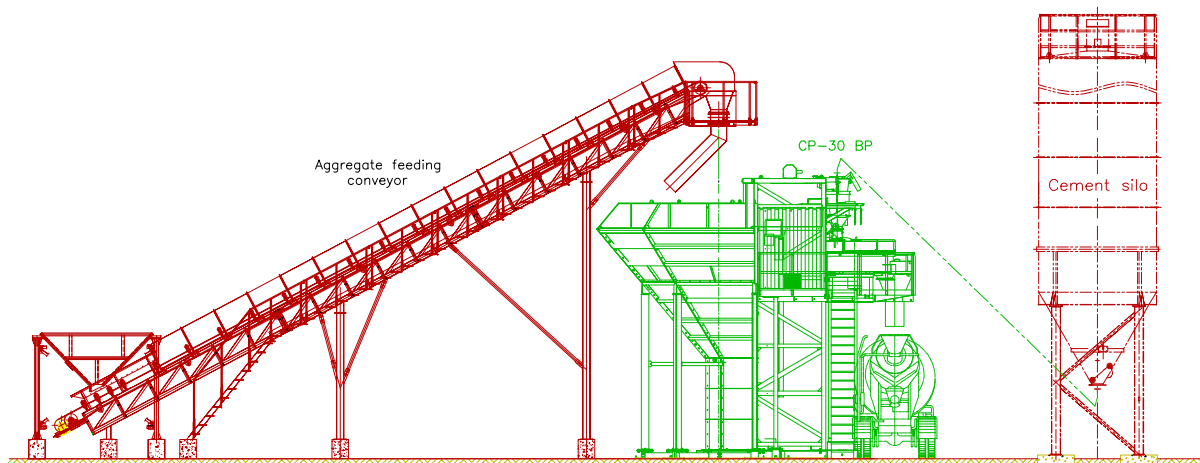


THE VARIATIONS

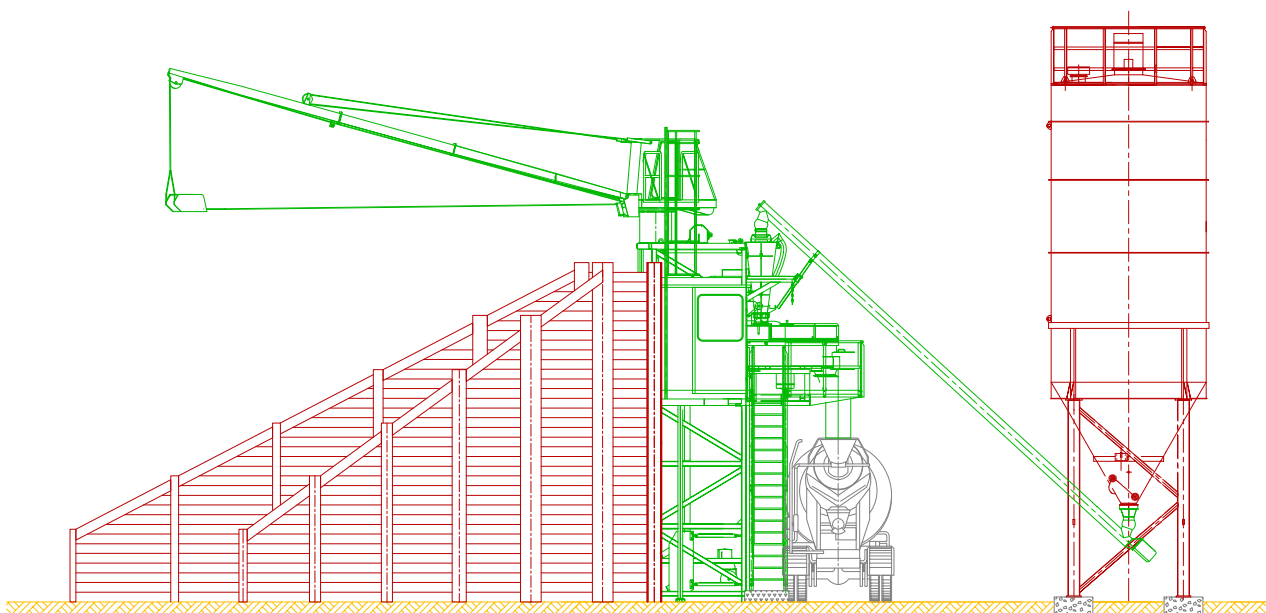
IN - LINE SILO, COMPARTMENT BATCHER, STAR BATCHER.



1 : IN-LINE SILO VERSION



2 : COMPARTMENT BATCHER VERSION



3 : STAR BATCHER VERSION

CP 30 / CP 45 CONCRETE MIXING PLANTS

SOLID TECHNOLOGY FOR PRECISE CONCRETE PRODUCTION

STETTER PAN MIXER

Stetter pan mixers guarantee the production of high-quality concrete in all consistencies. They mix intensively using short alternating movements both horizontally and vertically. Therefore, homogeneous concrete is produced with Stetter pan mixers with short mixing times and low energy input.

PROVEN AND RELIABLE TECHNOLOGY



Two rope technology



Accurate TM discharge system



Turbo Pan Mixer



Separate cement and water weigher



Double skip rail track



Manual emergency emptying



The plant comes with a separate cement and water weigher for accurate dosing. The plant has easily transportable dimensions and can be setup quickly.



CONTROL SYSTEMS

THE OPTIMAL SYSTEM FOR EVERY SITUATION

FEATURES OF MCI 70N VERSION 3.1.*

Direct interfacing of weighing load-cells with the PLC Modules, Membrane key buttons, Alarm pop-up facility in both HMI and Computer, SMS of critical alarms and production details (optional), Generic Interfacing with third party software for SAP interface (optional).

FOR AUTOMATIC CONCRETE BATCHING

The MCI 70N batching plant is controlled by SIMATIC S7 PLC and HMI interface. Users can easily access the HMI via function keys. The user can quickly access the required menu by symbols and clearly marked buttons. Alarm pop-up facility is available in both HMI and Computer. Full online status is possible in HMI unit. In the event of a power failure, the remaining batches can be viewed through HMI unit after power resumes. Full featured recipe editing control through HMI i.e, data change, copy & delete operations. Full featured Auto and Manual calibration of all weighers.



MEMBRANE KEY BUTTON

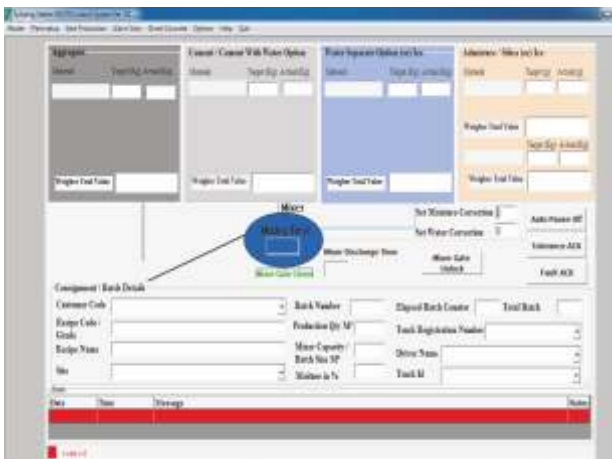
Instead of push buttons, membrane keys have been introduced in MCI70N VERSION 3.1. These membrane keys are used to operate the plant in manual mode. The key is built-in with indication LEDs that give status of the current operational function.

TECHNICAL DATA FOR CP 30 / CP 45 - MCI70N VER 3.1

Aggregate scale	1250 Kg / 1875 Kg
Cement scale	250 Kg / 600 Kg.
Water scale	150 Kg / 300 Kg.
Aggregate types	4 / 4
Admixer	6 Kg / 6 Kg
D.G requirement	75 KVA / 100KVA
Supply voltage	3 Phase 415 Volts , 50Hz
Control system	Desktop-15.6 inches Monitor with 2 GB DDR3 RAM, 500 GB Hard Disk

MAIN MENU MIMIC SCREEN

MCI70N SCADA software is an optional package of VERSION 3.1. MCI70N VERSION 3.1 comes with an option of selecting Computer / operating panel for operating batching plant as Customer master, Site master, Recipe master and Truck master.



Compact Concrete Mixing Plant CP 30 / CP 45

TECHNICAL DATA





Description	Unit	CP 30	CP 45
Mixer		Pan mixer / Planetary	Pan mixer
Model		T500	T750
Mixer size (Filling volume/compacted concrete)	l	750/500	1125 / 750
Throughput (Volume of compacted concrete with a mixing time of 30 sec in continuous operation)	m ³ /h	30	42
Concrete discharge height	m	4.1	4.1
Mixer platform height	m	4.28	4.3
Weighing capacity			
aggregate	kg	1250	1875
cement	kg	300	600
water	kg	150	300
Aggregate Storage			
Type 1 : Star batcher			
complete storage with a box radius of 10 m	approx.m ³	500	500
storage angle	degrees max.	180	180
active storage of aggregate	approx.m ³	25	25
aggregate types		4	4
Type 2 : Compartment batcher			
No of compartments		4	4
complete storage capacity	approx.m ³	40	40
Type 3 : Inline silo			
No of compartments		4/5/6	4/5/6
Bin capacity	m ³ each bin	4 to 30	4 to 30
Binder types	upto	2/3	2/3
Water supply (fresh water)	DN	50	50
Water operating pressure	bar	4 to 5	4 to 5
Operating voltage	V	415	415
Admissible voltage fluctuation	%	+/- 10	+/- 10
Mains frequency	Hz	50	50



SCHWING - STETTER

ALWAYS CLOSE TO THE CUSTOMER.



-  Sales Office
-  Resident Engineer
-  Resident Engineer with Spares Depot
-  Service Centre with Spares Depot
-  Dealership Support
-  Customer Training Center

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An ISO 9001 : 2008 Company

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