COMPACT CONCRETE MIXING PLANTS

CP30

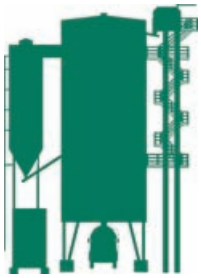
Stetter

SCHWING-STETTER MOVES CONCRETE. WORLDWIDE.

Wherever concrete is produced and moved, Schwing-Stetter products are employed.

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

The wide range of products with the suitable variety of types makes Schwing-Stetter the No. 1 system supplier worldwide.



CONCRETE MIXING PLANTS

TRUCK MIXER

TRUCK-MOUNTED CONCRETE PUMPS

STATIONARY CONCRETE PUMPS

SEPARATE PLACING BOOMS

CONCRETE RECYCLING PLANTS

COMPACT AND PROVEN.
CP30 CONCRETE MIXING PLANT.

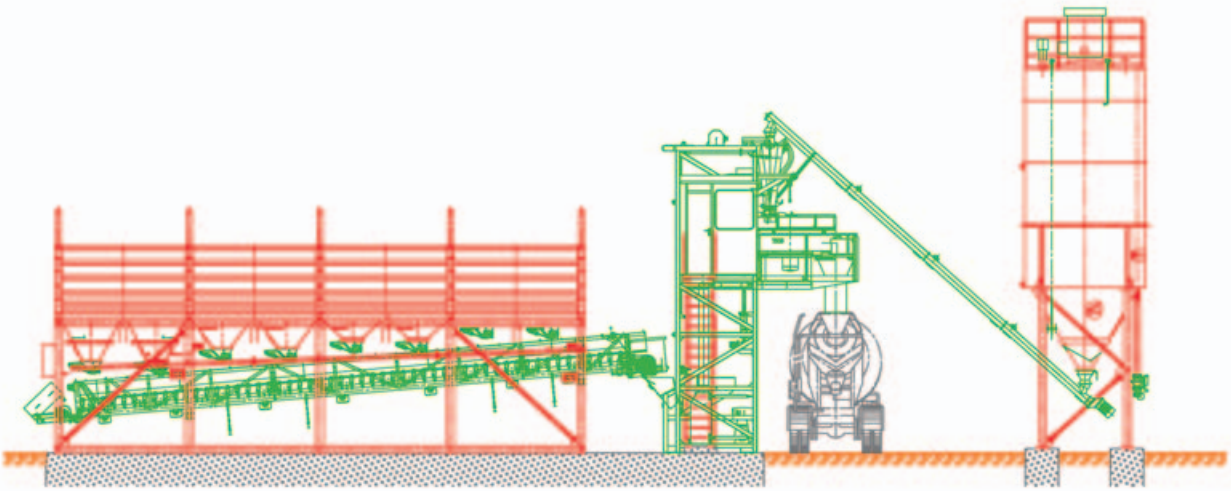
The CP30 concrete mixing plant from Stetter has now proven its abilities at more than 1,000 locations in all regions of the world.
45 years of Stetter experience in the construction and production of concrete mixing plants has been implemented in the newest development of the CP30. The concrete output is approximately 30 m^3/h of compacted concrete for a batch size of 0.5 m^3.

The plant design fully meets 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.

STATE-OF-THE-ART

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 is 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.

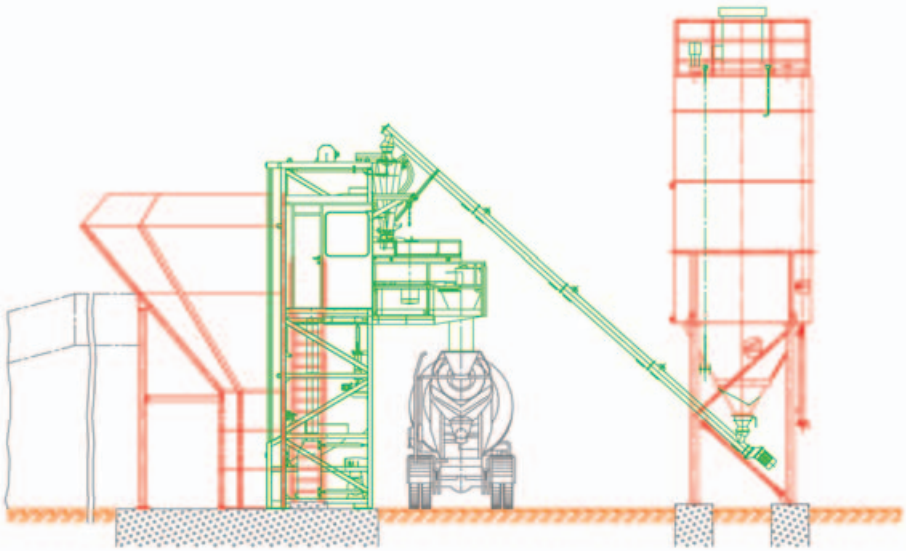
THE VARIATIONS:
IN-LINE SILO, COMPARTMENT BATCHER, STAR BATCHER.



VERSION 1: IN-LINE SILO

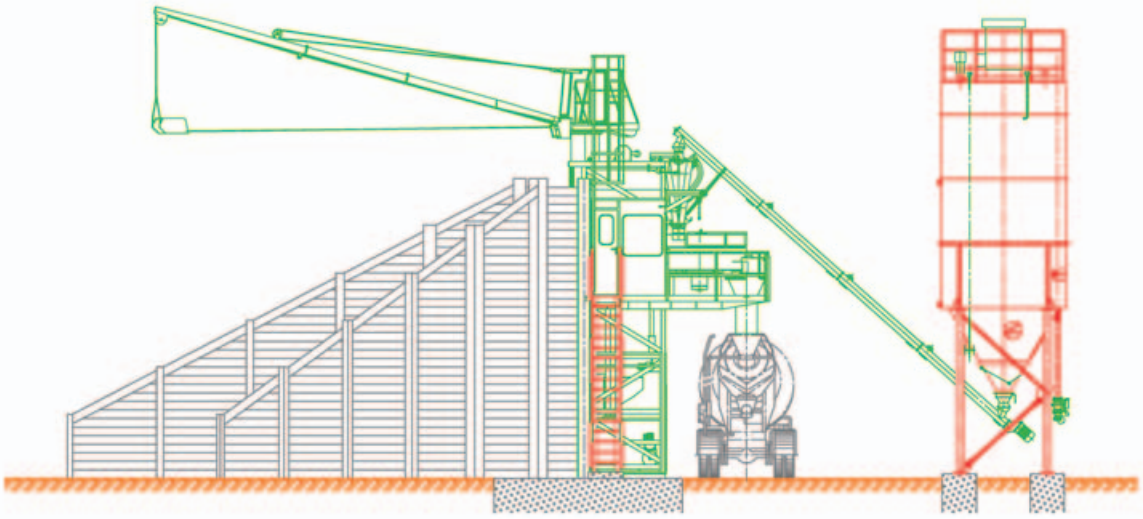
If you use more than four types of aggregates, an in-line silo can be used for storage. Each aggregate component is stored in a steel or customer-owned concrete silo. If the aggregates cannot be delivered on time when large amounts of concrete are required, intermediate storage can also be built. A weighing belt that can be calibrated is installed for dosing the aggregates instead of a weighing container. After weighing, the conveyor belt transports and delivers the aggregates into the feeder skip of the mixing plant. Feeding the in-line silo compartments is done using a wheel loader or belt conveyor equipment.

As an alternative to complete delivery of the entire plant, the design makes it possible to implement locally manufactured components such as in-line silos, cement silos, plant housing platforms, stairs, etc. In this way, transport and customs duties can be reduced and in some cases the relatively low procurement cost level of certain export countries can be utilised.



VERSION 2: COMPARTMENT BATCHER

The CP30 with compartment batcher is designed for individual situations where the plant location can be changed at low cost. It is an economical alternative to the in-line silo and the star batcher unit. The compartment batcher consists of four individual compartments with a total capacity of 40 m^3. Dosing and weighing the aggregates takes place, as with a star batcher, directly in the feeder skip.



VERSION 3: STAR BATCHER

With a star batcher, the aggregates are separated according to components and stored at ground level on a prepared surface. Depending on the concrete quality, you can use one type (mixed gravel) or separated fractions. The star batcher is fed using a scraper. Dosing and weighing the aggregates takes place directly in the feeder skip.

CP30 CONCRETE MIXING PLANT.
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.

The mixing tools are designed to be exceptionally resistant to wear. The spring-mounted mixing arms can be quickly adjusted without problems, and polyurethane sleeves protect against wear. Upon request, our mixers can also be made available with shovels made of synthetic material for particularly long lifetimes instead of standard mixing shovels made of specially chilled cast iron.

The mixing trough is equipped with exchangeable wear plates on the inner and outer walls as well as the mixing through bottom. Depending on the composition of the respective aggregates, the floor of the mixer can be equipped with normal wear plates made of a special steel or special chilled cast iron tiles. Through all of these measures, we have significantly increased the lifetime of our mixers.

Pan mixer

PROVEN AND RELIABLE TECHNOLOGY

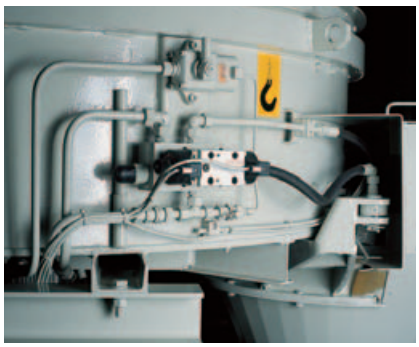
Two rope technology

Cement and water weighing system

Electrical measurement device

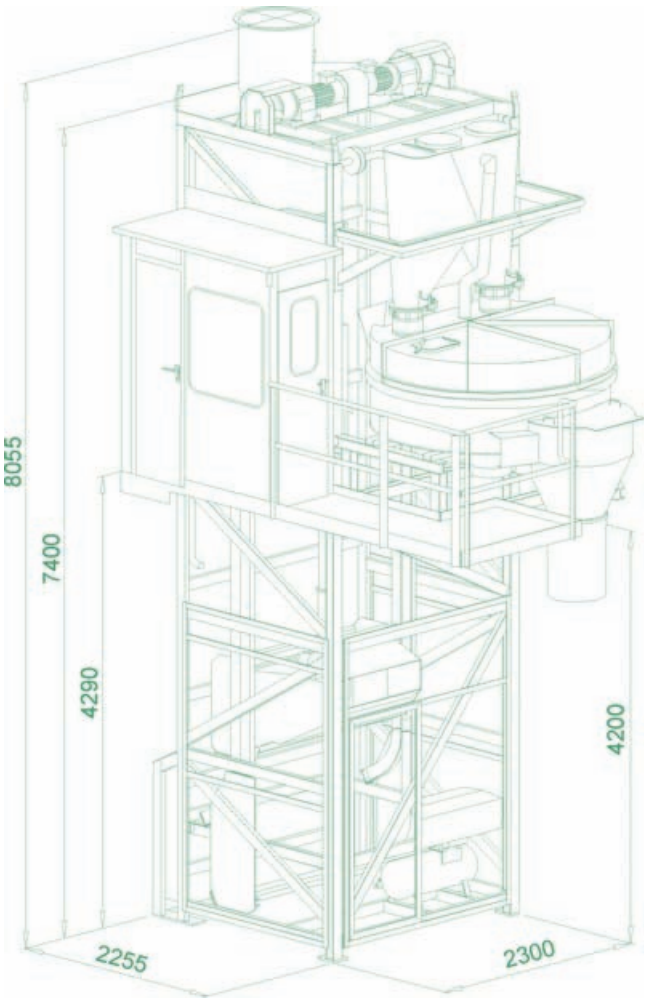
Dosing gates

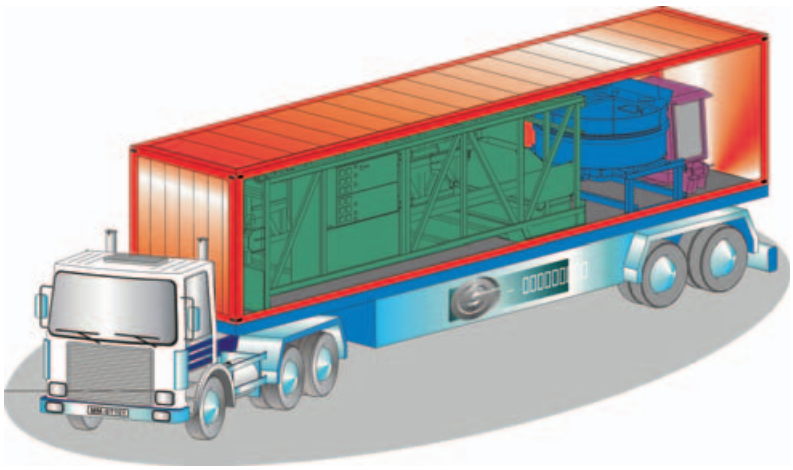
Double skip rail track



Manual emergency emptying

CONTAINER TRANSPORT OF THE CP30



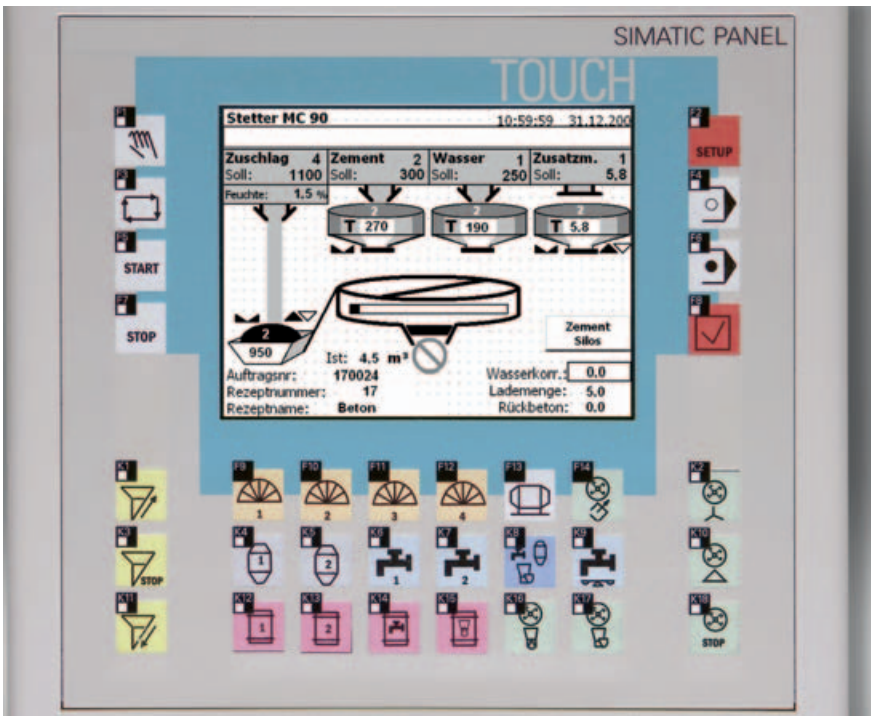


CONTROL SYSTEMS.
THE OPTIMAL SYSTEM FOR EVERY SITUATION.

The Stetter compact plants can be obtained with different control systems that have been designed and manufactured by Stetter.

We recommend the MC80 as an economical batching system. With its easy-to-read touch screen, this Windows CE™-based control system is especially user friendly. For production, only a few key strokes are required. The other control systems are modular and can be configured to match your requirements and the operating conditions.

The MC 150 is designed for a high level of flexibility and expandability. The variable design of this control system makes it suitable for use with any type of plant configuration.

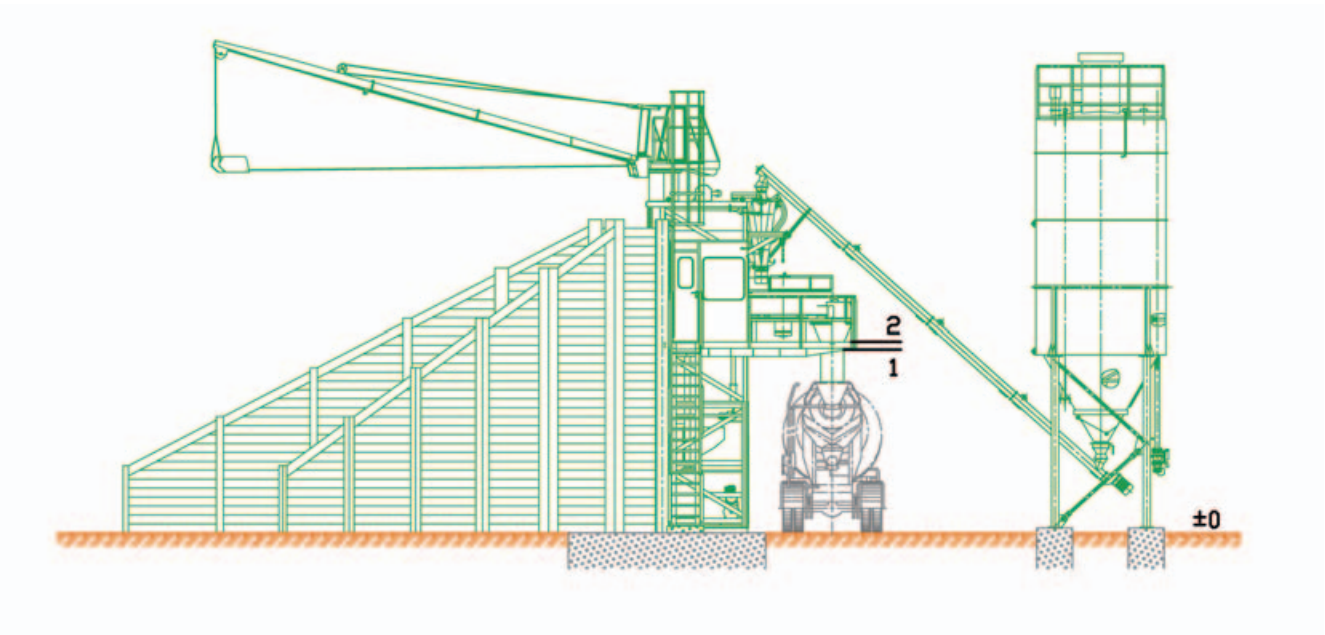


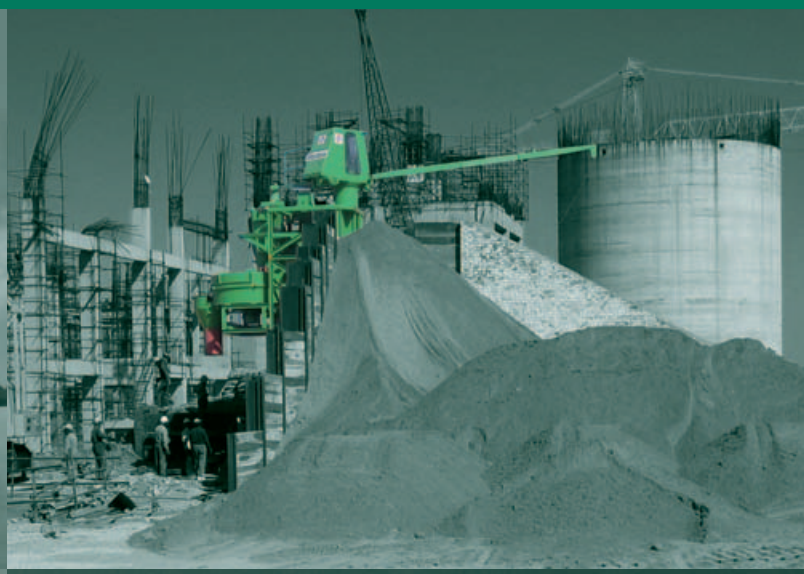
OVERVIEW:
TECHNICAL DATA FOR THE CP30 COMPACT MIXING PLANT.

BASIC PLANT		CP30
Pan mixer (filling capacity/compacted concrete)	m³	0.75/0.5
Output volumes (compacted concrete with 30 s mixing time)	m³/h	30
Concrete discharge height (1)	m	4.10
Mixer platform height (2)	m	4.28
Aggregate weighing system (in-line silo/skip)	kg	1,250
Cement weighing system	kg	250/400*
Water weighing system	kg	150/200*
Cement types	up to	2/3*
Water supply	DN	50
Water pressure for operation	bar	5–6

AGGREGATE STORAGE		STAR BATCHER	COMPARTMENT BATCHER	IN-LINE SILO
Aggregate types		4	4	3–8
Storage volumes with 15 m box radius	m³	500–1,200		
Active reserve	m³	100	40	90–180
Connected load (approx.)	kVA	80	60	85

**Values available as special equipment.*





STETTER CP30 CONCRETE MIXING PLANT.

Wherever quality is in demand.

SCHWING-STETTER ALWAYS CLOSE TO THE CUSTOMER.

- Parent plant
- Production subsidary
- Own/independent sales and serviec company

Subject to technical and dimensional modifications.
Photos are not binding.
The exact scope of the delivery is listed in the offer.

Stetter

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