

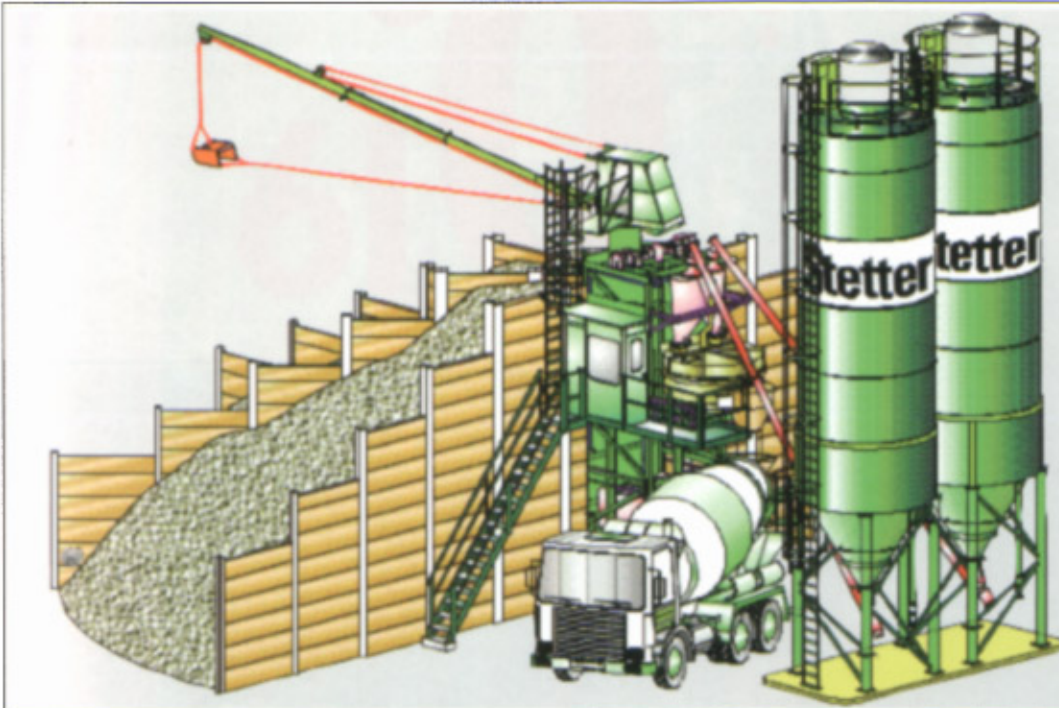


**Stetter**

**Compact  
concrete  
mixing plant  
CP 30**



# Stetter concrete mixing plant CP 30 – state-of-the-art technology

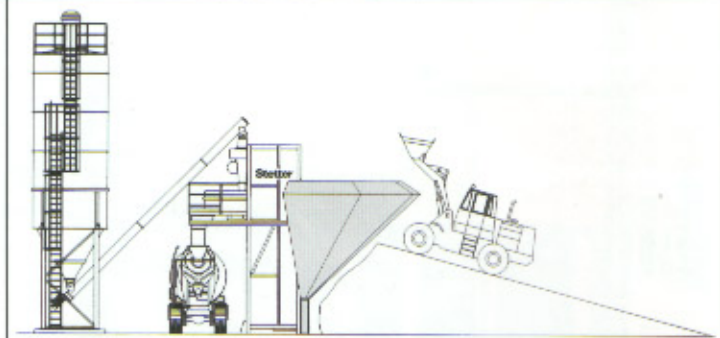
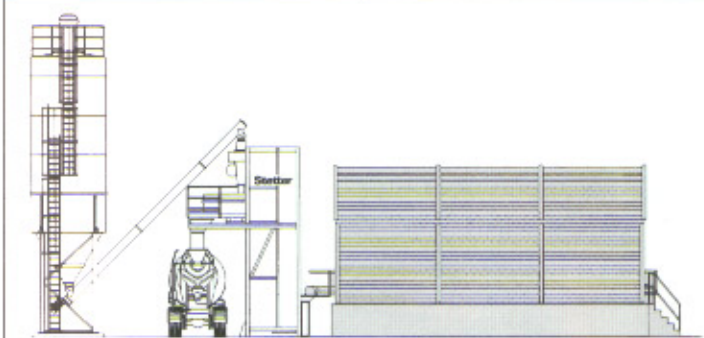


The Stetter CP 30 concrete mixing plant represents further development of the field-proven smaller compact series with state-of-the-art concrete mixing technology. The latest know-how relevant to **operation, maintenance and environmental compatibility** as well as to concreting technology has been put into practice here. It is supplemented by experience gained by Stetter in more than **35 years** of development, design and production in the preparation and transport of concrete. The plant concept meets all requirements for deployment as a concrete mixing plant or an in situ concrete plant with a throughput of 30 m<sup>3</sup>/h of compacted fresh concrete with a batch size of 0.5 m<sup>3</sup> (concrete composition as per DIN 1045, consistency stiff). Another application is in the precast components industry (e.g. production of small-scale precast concrete components such as paving setts, concrete flags etc.). The CP 30 can also be used for **mortar production**.

One special feature of the CP plant series is the large active and passive stock held by the star batcher, offering increased independence from the punctual delivery of aggregates. The reserves have been deliberately increased: the user enjoys greater reliability, and peak demands can be more readily covered.



The prototype of the CP 30 being tested on Stetter's own test stand. Improvements can still be made in selective areas, despite 35 years' experience in the construction of concrete mixing plants. The test schedule covers charger filling level, flow and mixing characteristics, running smoothness, practical handling properties and, of course, strength measurements of individual components. What our customers get is a practice-oriented, fully tested concrete mixing plant.



▲ When more than four kinds of aggregate are to be used, e.g. in the production of precast components, storage can be done in an **in-line silo system**, with each aggregate being stored in a steel container or a concrete silo provided by the owner. This concept is applied primarily in the production of special-purpose concretes and with a wide range of different aggregates. Adjustable conveyor-type scales are used for batching instead of a batching hopper.

▲ The compartment-type batcher on mobile foundations is used for deployments with frequently changing plant locations. Aggregate loading is done by a front-end loader, for example, instead of a scraper loader. The compartment-type batcher comprises four single compartments with an overall capacity of 40 m<sup>3</sup>. Made of panel segments, they are easy to assemble. The compartment-type batcher is attached to the plant.

# Technology – perfected and dependable

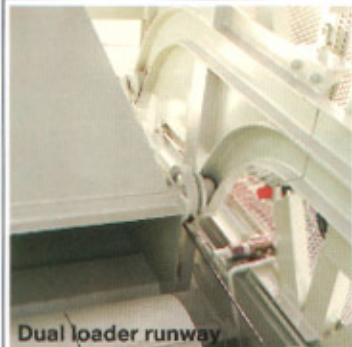
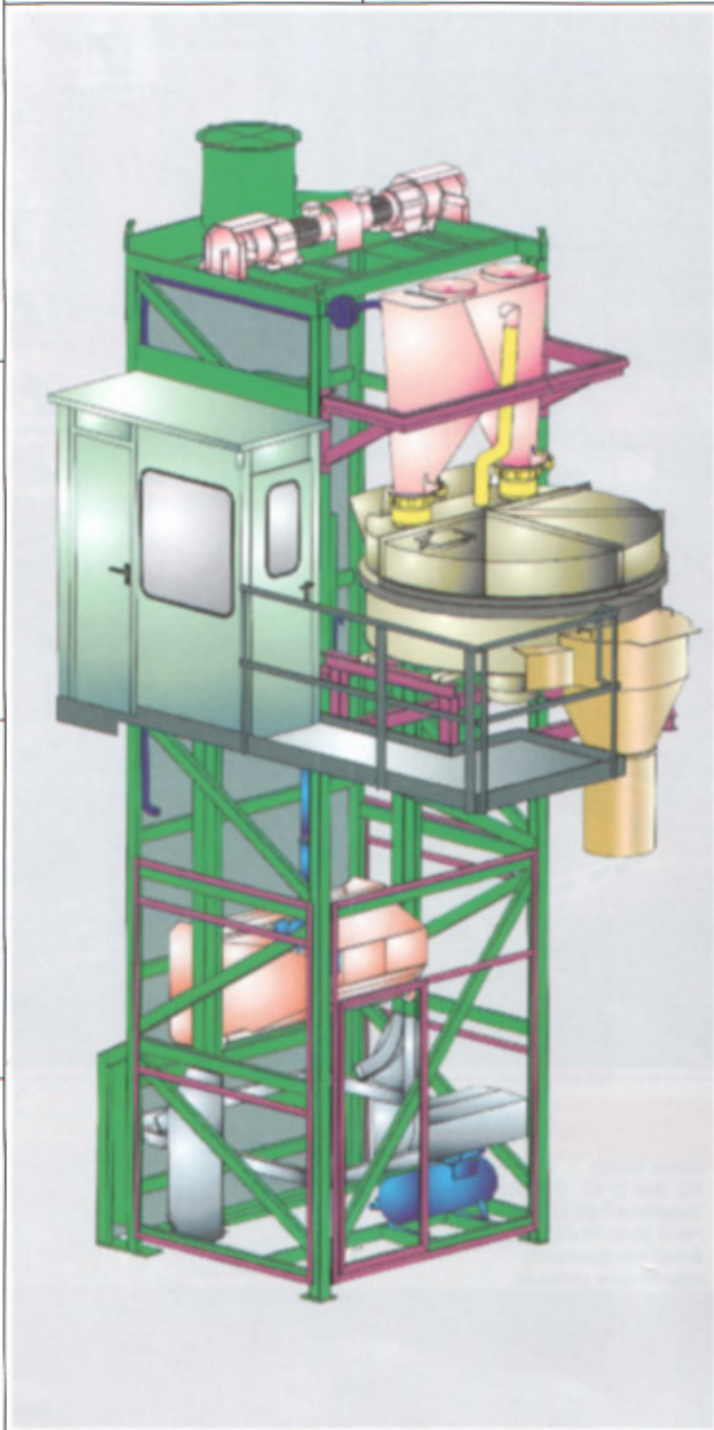


different concrete formulations, proportion and quantity calculation, and adjustable water and moisture correction optimisable with an automatic moisture corrector and record printer. This is adapted to the demands of the export market. Dependability is the order of the day.

Pan-type concrete mixers manufactured by Stetter guarantee the production of top-quality concrete. Low energy consumption is combined with minimum wear. Other characteristics:

- spring-mounted mixing arms
- mixers lined with wearing plates or chilled cast tiles
- fold-back mixer cover
- discharge via rotary valve

**Control type 235 with MC 70** batching and weighing electronics. Stetter offers a top-of-the-range weighing and batching control system for economically efficient concrete production. The control has batching and weighing electronics with an integrated measuring amplifier as a standard feature. It offers ninety



Dual loader runway



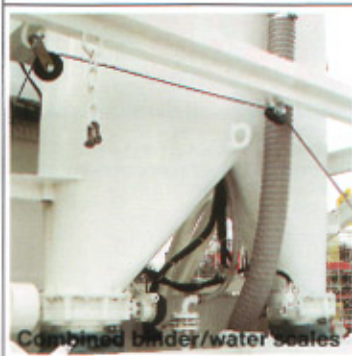
Emergency discharge



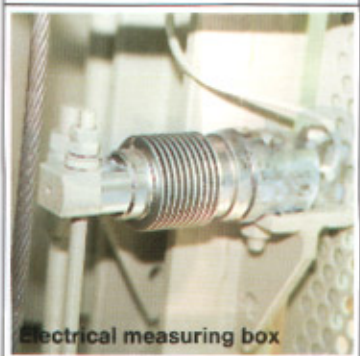
Pneumatically operated batching gates



Double-cable system



Combined binder/water scales



Electrical measuring box

# Compact shipment

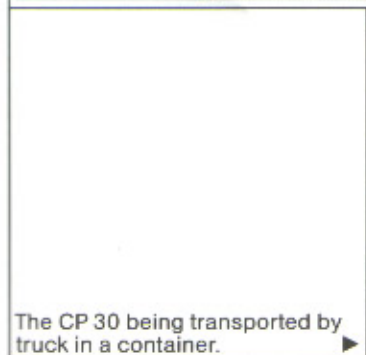
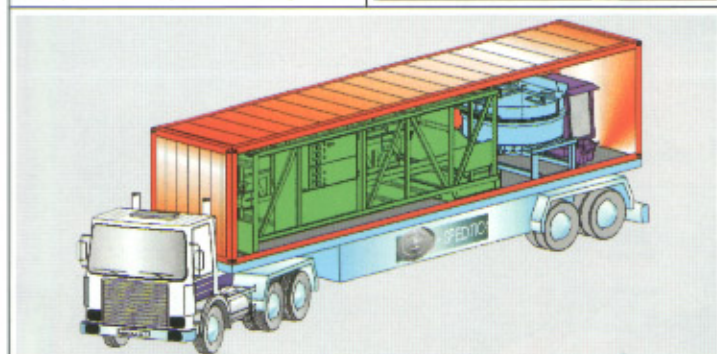
- space-saving –
- cost-effective –



▲ The complete plant comprises a number of modules. For shipping purposes, the compulsory mixer and the combined binder/water scales are folded back into the internal compartment of the machine. This provides a practical shipping unit with container dimensions.



The CP 30 being transported by truck: compact and space-saving. ▶



The CP 30 being transported by truck in a container. ▶



# Deployments: some examples



CP 30,  
location: Sur, on the Arabian Sea  
coast of Oman. It is being used  
in the production of breakwaters  
designed to protect a newly  
developed port facility.



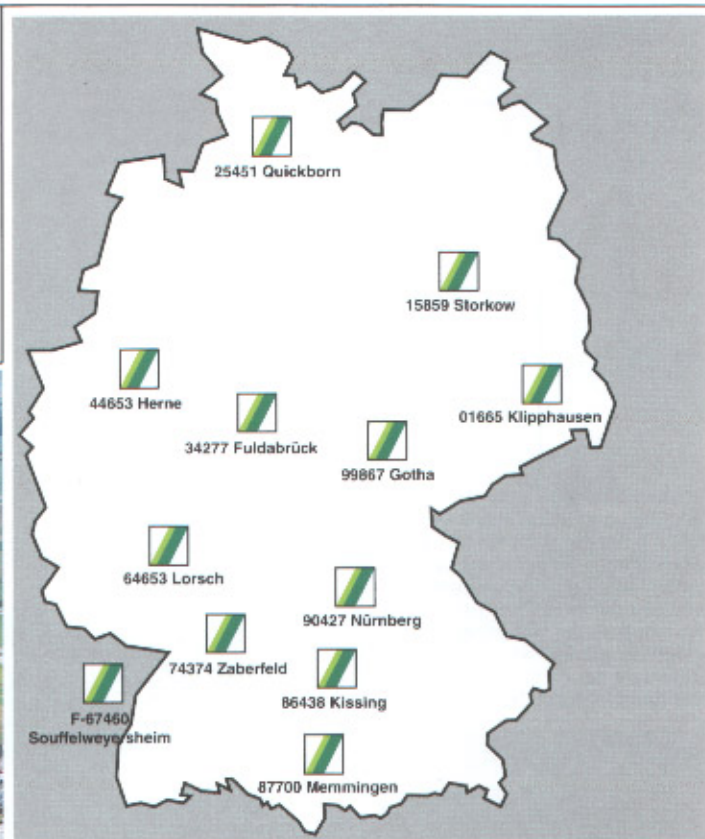
◀ CP 30,  
location: Thailand.

Mr. Faust, managing director of Eder-Lahn-Transportbeton, Bad Berleburg, Germany on the CP 30:

The CP 30 was deployed by us on a trial basis, the reason being conversion of the existing plant. After completion of the foundations, installation took 1½ days. This remarkably short time is due to the fact that the plant is simple and very practical in its design, especially with respect to mobility. The fear that a prototype might have "teething troubles" proved to be totally unfounded. The plant recorded no problems or failures throughout its 6-week deployment. The claimed hourly output of 30 m<sup>3</sup> proved to be correct and even underwent a slight increase. A daily output of up to 260 m<sup>3</sup> was achieved with no difficulty. With the CP 30, Stetter has "hit the jackpot". It has passed the test with flying colours in the tough daily routine of a ready-mix concrete plant, day in, day out and partly in continuous operation. Our rating of its achievement is "pass with distinction".



# Stetter: state-of-the-art production facilities. Competent. With after-sales service close at hand.



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