

## Schwing Stetter India 30 plants in operation!

Schwing, Germany, a 500 million Euro company, have opened their seventh manufacturing unit at Chennai which offers state-of-the-art concrete batching plants. Schwing Stetter India Pvt Ltd also manufactures concrete pumps and transit mixers and is currently producing trailer mounted concrete pumps Model BP 350, Model BP 1800 and line pumps for ready-mix concrete industry. In the year 2001, Schwing Stetter India also started local production of the Stetter compact concrete mixing plant Model CP 30 of capacity 30 m<sup>3</sup>/h.

### Stetter CP30 batching plant

The Stetter CP 30 batching plant is currently available in three different executions for the feeding of the aggregates namely the star batcher, compartment batcher and in-line silo execution. The four aggregate gates are pneumatically operated and the weighing is done through electronic load cells. The aggregates are

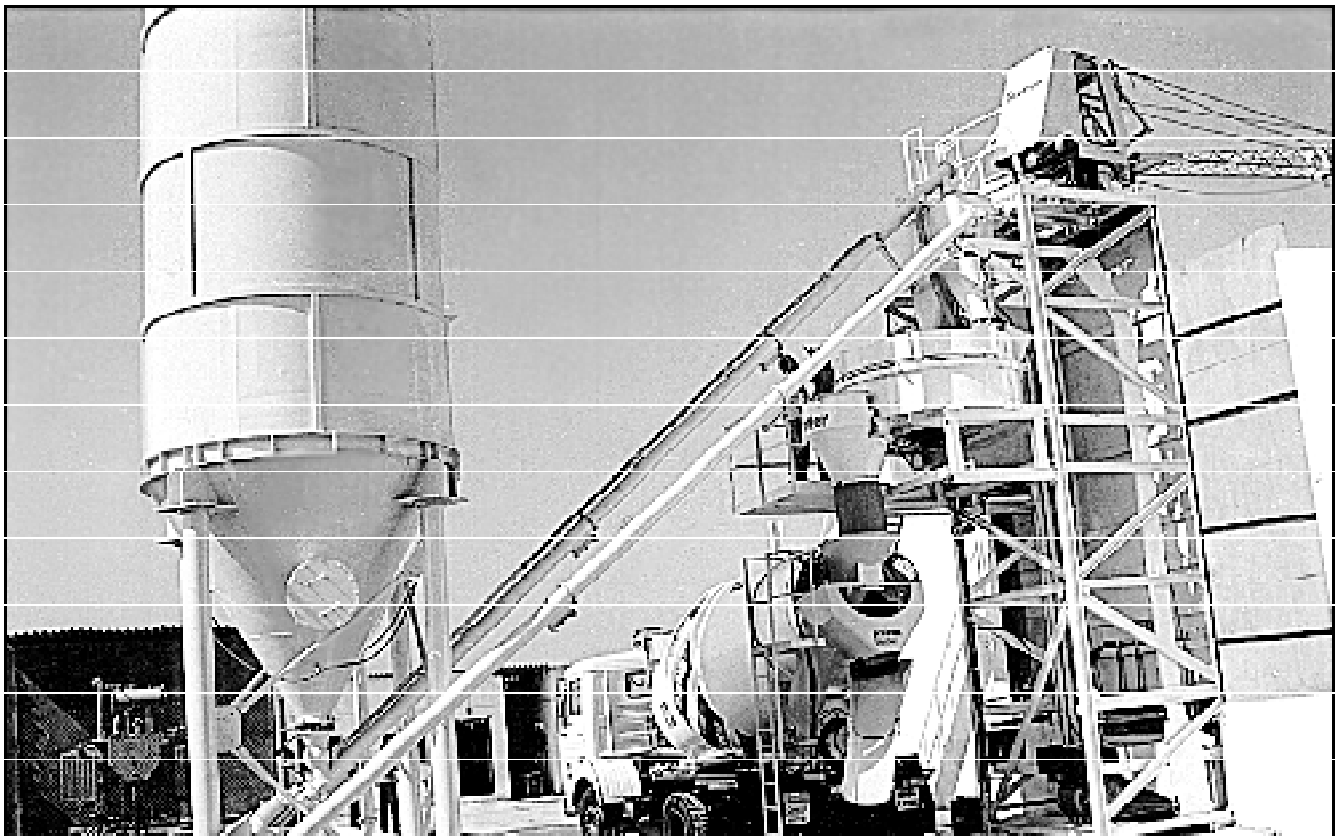
weighed in a skip bucket and then are moved up to the turbo pan mixer by two units of pole change motors. These pole change motors operate the skip at two different speeds to reduce the time cycle at each batch and at the same time protect the important components of the weighing system. The batching of water and admixture is by weight.

The cement from the cement silos is fed into the combined cement water weigher through screw conveyors. The water and cement are weighed in a combined weigher and discharged into the pan mixer. The Stetter turbo pan mixer has been designed to handle various slumps of concrete and to achieve a homogenous mix in the shortest possible time.

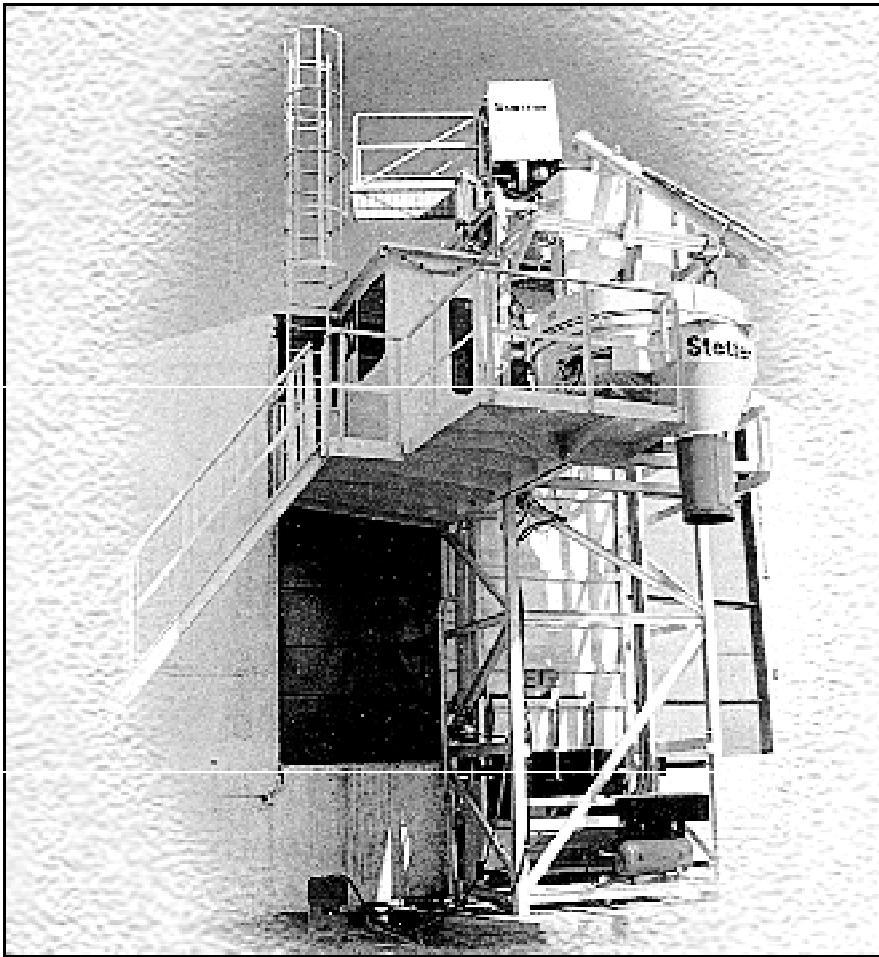
The CP 30 plant can deliver the 30 m<sup>3</sup>/h output as each and every operation of the plant has been sequenced to achieve this output.

This batching plant is fully computerised and offers state-of-the-art features like material in air compensation. The batching plant can also be fitted with electronic moisture meter and an interface in the control system provides the Batch reports through the printer. The interface also facilitates the transfer of all data from the control system to a computer where the data can be processed as per the customer's requirements.

The CP 30 plant was originally designed at Stetter, Germany and was displayed in the Bauma fair. This plant has further been modified at Schwing Stetter India for adaptation to Indian conditions. This plant incorporates some state-of-the-art features like two skip rails for smoother travel of the skip bucket, four pneumatically operated batching gates on a batching table hence more live storage and Stetter turbo pan mixer to handle various grades of concrete. Also, the Stetter CP 30 Batching plant can be erected in Star



Stetter CP30 concrete batching and mixing plant



Another view of CP30 plant

batcher, compartment batcher and In-line-silo execution. The technology is tried and tested with over 30 plants in operation in India.

The unique selling proposition of the CP 30 batching plant are its ability to achieve the rated output of 30 m<sup>3</sup>/h and

achieving this with minimum break downs. Hence, it is an ideal plant for use in RMC operations and for projects where the down time of the plant is expensive.

The Stetter CP 30 batching plant has been well received in the market and is currently being used extensively at various



Stetter turbo pan mixer

sites of Delhi Metro Rail Corporation, on various stretches of the golden quadrilateral NHAI projects and in the RMC industry. These plants are currently under operation with Larsen & Toubro Ltd, Dywidag International, Samsung Corporation, Gammon India Ltd, Hindustan Construction Co. Ltd, Afcons Infrastructure Ltd, Simplex Concrete Piles (India) Ltd, etc.

Customer support facilities at Ahmedabad, Bangalore, Coimbatore, Bhubaneswar and with spare parts depots at Mumbai, Chennai, Delhi, Calcutta and Hyderabad are available.

Stetter will be shortly supplying 60 and 120 m<sup>3</sup>/h capacity batching plants which will be manufactured at the Chennai plant.

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