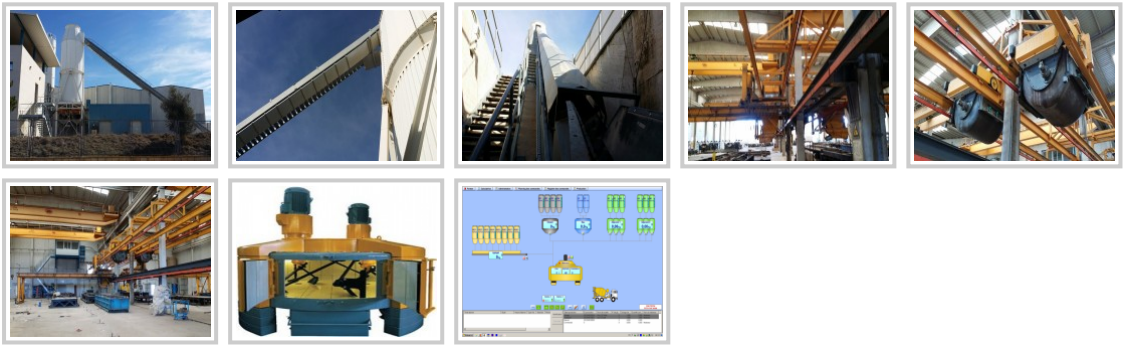
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SKAKO Precast Concrete Plant in Liquidation

General Specifications:

- **Type:**
- **Manufacturer:** SKAKO
- **Model:**
- **Manufacturing date:** 2006

Images:



Specifications:

Concrete production plant built by SKAKO in 2006, ceased operation in 2012. With an estimated service life of 20 years.

The complete plant is for sale, including storage for aggregates in silo-tower type HS 190/6, SKAKO mixer type AM 2250, 2 CONFLEX suspended bucket conveyors and 2 concrete distributors, and automation system Skakomat 600 SQL.

Plant Description

Aggregates Reception and Distribution Plant

Galvanised reception hopper for the pit

- Dimensions of the hopper: 2,650x 3,650 x 1,710 mm (Wt x Ln x Ht)

- Capacity of the Hopper: 7.8 m3 (lev. measure)

Inclined conveyor belt type SB 650 (30°)

Rotary distribution belt for the aggregates silo tower, type 650.

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Aggregates Storage and Dosing Plant

Aggregate silo type HS 190/6.

Capacity

Volume: 188 m3 (lev. Measure) with 4 dividing walls

Diameter: 6,000 mm

Compartments: 4 compartments of 90º - 47,1 m3

For aggregates with grain size 0-64 mm., max. density 1,800 kg/m3

4 Vibration feeders type SKAKO FCE 056/0071-M3NL The design of the vibration feeder combined with the electromagnetic vibrator ensures an efficient and precise dos¬ing. The vibrating tray prevents jamming of materials in the silo.

1 Weigh hopper type TW 22500 for aggregates.

Cement Storage and Dosing Plant

2 Cement filter equipment

2 2-speed endless screw for dosing of cement, type ST 219

Cement scale, type CW 900 for cement

Cement silo for 90 tons

Cement silo for 60 tons

Water and Additives Dosing Plant

Conceived to measuring moisture in aggregate storage silos. Thanks to a steady measuring, the average moisture value is estimated for the whole batch.

AQUAMAT 600, water dosing with electronic mois¬ture meter in the mixer.

AQUAMAT 600 automatically measures the moisture in concrete trough 4 electrodes placed at the bottom of the mixer and it automatically supplies a steady water flow.

1 Flowmeter for water dosing in the mixer AM 2250

2 Digital Microwave Moisture sensor Hydro-probe II

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Counter current mixer type AM 2250 with accessories

Capacity: 1 m3

The SKAKO Apollo mixer is designed to obtain a maximum stability with reduced operating costs.

Inside, the mixer has no sharp edges, so it can be cleaned with an automatic cleaning system. Outside, the mixer counts with a cast iron hatch with oil-resistant rubber joints. Hatch is placed on the side wall of the mixing tank, preventing the door from twisting, avoiding leaks. Safe maintenance service, adjustments, and wear parts replacing.

Powered by a satellite gearbox which activates a set of shovels which rotate fast in a cyclic countercurrent movement. Materials are lifted and multidimensionally moved. Effective and fast mixing of concrete.

Discharge through two hydraulic swinging gates at the bottom of the mixer and separately feed by a pump station. Hydraulic cylinder of the discharge gates includes two inductive limit switches. Pump station equipped with manually operated emergency pump to empty the tank in case of an electricity supply failure.

1 Water distribution pipe with 4 fixed nozzles for the mixer TYPE AM 2250 built in the mixer and is used for water dosing. Water is added to the batch through the nozzles and water is spread over most of the concrete surface. Required water pressure: 4 bar.

Air-bag pressure compensation system. Compensates air pressure generated in the mixer during the load of material, reducing the inconvenient dust.

1 High-pressure water cleaning unit

Conflex Concrete Distribution system

2 Suspended buckets type SKAKO Conflex CF 2250. CONFLEX is designed to simplify service as much as possible, with large operating hatches granting easy access to all important parts.

Built with closed chassis, solid construction. Reduced height installation.

Equipped with 4 large rubber wheels, ensures low noise and excellent rail holding, making more speed and bigger climbs possible.

CONFLEX can be used to transport materials to stations distant from the supply station. The bucket moves over the central line of the construction of the rail, avoiding the torsion of the rail, allowing to better exploiting the load-bearing capacity of the rail and obtaining a better span. Includes guide rollers.

Driving device and control system built in chassis, compact and well protected.

Max. speed: 4,5 m/s hor.

Rail Max. inclination: 21% / 12º

Bucket vol./lev. measure: 2,442l/1,5m3

Including

Rail system for CONFLEX suspended buckets

Stopping Barriers to be mounted in each end of the rail.

2 Service decks

High-pressure bucket cleaning system

Concrete Distributors

2 Concrete distributors in semi-portal

The distributor collects the concrete from the suspended bucket and carries it to the concreting spot, where it is discharged.

Equipped with an intermediate, height-adjustable hopper with bottom discharge trough the flap gates of the concrete feeder.

Equipped with an intermediate, height-adjustable hopper with bottom discharge trough the flap gates of the concrete feeder.

Load capacity: 1.5m3

Volume 2,250 l.

Rise/fall function: 1,500 / 2,500 mm

Transportation speed: up to 0.8 m/sec

Span: 13.5 m.

Equipped with a hanging semi-automatic push button

Rails for the semi-portals not provided.

Process control system SKAKOMAT 600 V2

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SKAKOMAT 600 SQL is a computerized system for the concrete production. It runs under Windows 2000 and a user's worksheet for process supervision. Every operation in the plant can be supervised from the computer screen and different operating modes can be set, including manual operation, automated operation, automated start, allowed dosing, and allowed load

The operator has at all times a full vision of the whole mixing plant. The system controls all productive operations.

More information in PDF file

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