

# Stationary Concrete Batching Plant

This stationary concrete batching plant is designed for high-volume concrete production. It features automated operation and precise mixing for consistent output.



## ADDITIONAL IMAGES



## Overview



A full-scale view of the stationary plant showing the integration of silos, conveyors, and the central mixing unit.



The batching plant in operation at a large-scale infrastructure construction site.

## High-Efficiency Stationary Concrete Production

The CBP120S is a high-capacity stationary concrete batching plant designed for large-scale construction projects and ready-mix production. It features a theoretical productivity of 120 m<sup>3</sup>/h and utilizes a robust twin-shaft mixer to ensure consistent, high-quality output. Engineered for durability and environmental compliance, the plant incorporates a fully enclosed structure to minimize dust and noise pollution.

## Performance Metrics

### Key Performance Indicators

**120 m<sup>3</sup>/h**

Theoretical Productivity

**60 s**

Automatic Cycle Period

**3000 L**

Mixer Nominal Capacity

**130 kW**

Total Power

## Mixing System

### Mixer Specifications

Model	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Power (kW)	Weight (T)
JS1000	3000	2000	2x37	7.5
JS2000	4500	3000	2x55	9.2
JS3000	6000	4000	2x75	11.8
JS4000	1500	1000	2x22	4.3

## Batching & Weighing



High-precision aggregate batching system and efficient screw conveyor design ensure stable material flow.

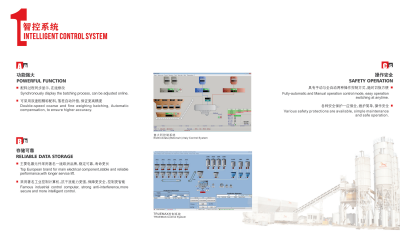
### Weighing Range & Accuracy

Material	Range (kg)	Accuracy
Aggregate	1666 - 5000	±2%
Cement	400 - 1200	±1%
Water	200 - 600	±1%
Additive	2x(20 - 60)	±1%

## Storage & Materials

Aggregate Storage	4 x 20 m <sup>3</sup> Bin Capacity
Max Aggregate Size	60/80 mm (Crushed Stone/Pebble)

## Control System



The advanced control system features a dual-mode interface for manual and fully automatic operation with real-time monitoring.

### Control System Features

- Synchronous display of batching process
- Double-speed coarse and fine weighing
- Automatic drop compensation for higher accuracy
- Fully-automatic and manual operation modes
- Industrial control computer with strong anti-interference
- Remote intelligent diagnostic and upgrade capabilities

## Conveyor System

### Screw Conveyor Options

Model	Capacity (t/h)	Reduction Ratio
I219	40	1:07
I273	80	1:07
I323	110	1:10

## Environmental Performance



The fully enclosed structure of the mixer and belt conveyor significantly reduces dust and noise emissions.

### Environmental Features

Fully Enclosed Structure, Dust Reduction, Noise Reduction, Sealed Material Handling

## Compliance

### Quality Certifications

ISO 9001:2015 • CE Certified • ISO 14000 • OHSMS 18000