

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 m³/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 m³/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.

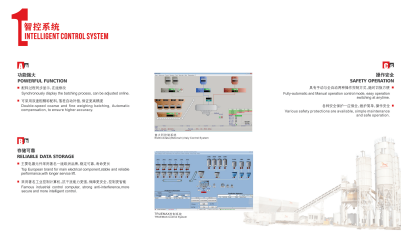
Weighing Range & Accuracy

| 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 ³ 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