

# Concrete Mixing Plant

The concrete mixing plant integrates mixing, weighing, conveying, storage, and control systems. Its configuration, applications, and efficacy vary based on specific needs.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Concrete Production

This comprehensive concrete mixing plant integrates advanced mixing, weighing, and conveying systems to deliver high-quality concrete for diverse construction needs. Designed for professional B2B applications, it features a modular architecture that supports both ready-mix commercial use and specialized project requirements. The system ensures precision through automated controls and robust mechanical components, optimizing throughput while maintaining consistent material ratios.

## Mixing System

### Mixing Technology Options

- High-performance twin-shaft technology for thorough homogenization
- Planetary mixing for specialized concrete grades
- Customizable mixer selection based on project budget and requirements

### Available Mixer Configurations

Horizontal Twin Shaft Mixer, Planetary Mixer, JS Series Mixer, SICOMA Type Mixer

## Control System

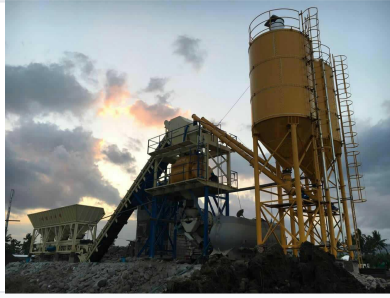
### Control Hardware

- PLC-based automation with self-diagnostic troubleshooting
- Industrial computer control interface
- Integrated printer for documentation
- International standard electrical components (Schneider, Omron)

### Data & Reporting

Daily Reports, Monthly Reports, Yearly Reports, Real-time Monitoring

## Batching System



Robust aggregate hoppers and batching system designed for precise material proportioning.

### Batcher Installation Types

- Under-ground batcher (Concrete structure)
- Ground-level batcher (Steel structure)

### Weighing Systems

Accumulative Weighing • Individual Weighing

## Conveying System



Industrial-scale setup featuring multiple cement silos and a high-capacity belt conveying system.

### Material Conveyor Options

Conveyor Type	Best Application
Trough Belt Conveyor	Limited land/space availability
Long Belt Conveyor	Large-scale sites with ample space
Screw Conveyor	Cement and powder transfer

## Plant Configuration

### Plant Mobility & Type

- Mobile Batching Plant: Designed for frequent relocation between sites
- Modular Batching Plant: Easy transfer and rapid assembly
- Ready Mixed Plant: Optimized for commercial concrete production

## Technical Composition



Detailed workflow showing additive, water, and cement weighing systems integrated with the central mixer.

### Core Components

- Aggregate Batcher (Multi-hopper)
- Cement Silos
- Water & Additive Weighing Systems
- Waiting Hopper
- Discharge Hopper
- Inclined Belt Conveyor

### HZS75 Performance Metrics

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

Theoretical Productivity