

# CB-2

AUTOMATED CONCRETE  
BATCHING SYSTEM



**RICE LAKE**  
WEIGHING SYSTEMS

Commitment Beyond Measurement®



## Put the CB-2 in charge and watch productivity soar.

The CB-2 is a versatile, efficient concrete batching control system ideal for ready-mix and block plants. It is capable of controlling portable plants, stack-up plants, central mix, dry batch as well as precast plants. The CB-2 makes it easy and affordable to streamline your plant. From weighing raw material to automatic printing of tickets and reports, your entire operation can now be cost-effectively controlled from this proven reliable controller.

The CB-2 provides accuracy that quickly pays for itself in material savings alone. Just as important, however, is that this accuracy is achieved while substantially increasing production speed.

**With the CB-2, ultimate control and accuracy are right at your fingertips.**



### 920i® HMI Controller

The CB-2 is driven by Rice Lake's intelligent 920i HMI controller and delivers real-time statistical data through various network options. The robust processing power and expanded networking capabilities enable the 920i to easily communicate with printers, PCs, keyboards, and other peripheral equipment.

### Power Control includes:

- Keyed power switch with internal circuit breaker
- Keyed auto/manual control

### Auxiliary Control includes:

- Up to 8 auxiliary controls
- All controls include status lights

### Aggregate Control Includes:

- Your choice of 8 single speed or 4 dual speed gate controls
- Status lights on each gate
- Weigh hopper discharge gate control
- Aggregate vibrator control
- Sand bin vibrator control

### Cement Control Includes:

- Your choice of 4 cements with dual speed fill or up to 8 single speed controls
- Status lights on each gate
- Cement bin aeration on 4 bins
- Weigh hopper discharge controls
- Weigh hopper vibrator control
- Weigh hopper aeration control

### Mixer Control Includes:

- Fully integrated mixer controls
- Mixer start control
- Mixer stop control
- Mixer discharge control

### Admixture Control Includes:

- Automated and manual control of admixtures
- Pulse meters included, eliminating outboard control
- Up to 6 admixtures or colors
- Fill/feed control and status lights
- Discharge control and status lights
- Bottle empty status lights

### Plant Control

Comprehensive plant control including status lights and manual override switches that can be configured in either momentary or maintain operation

### Manual Override Controls

- Dust collection system
- Alarm/horn
- Aggregate conveyor start/stop
- Air compressor start/stop
- Boot raise/lower

### Status Lights Include:

- Aggregate conveyor running
- Load complete
- Cement gate closed
- Aggregate gate closed
- Out of tolerance
- Air pressure OK

CB-2 also supports both metered and weighed water with both hot and cold feed

### Water Control Includes:

- Hot and cold controls with status lights
- Metered water pulse status light
- Reservoir discharge control and "empty" status light
- Adjustable tail water discharge in either manual or automatic mode



## Preparing a Batch is Simple and Easy

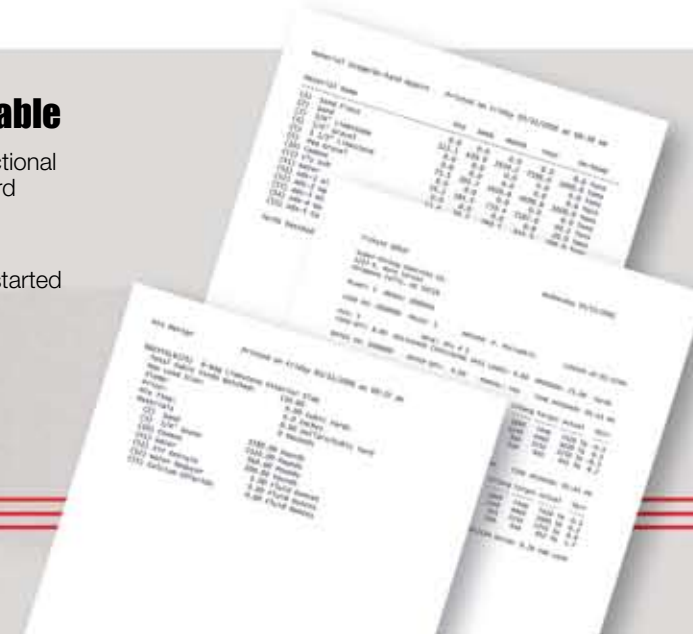
1. Enter the mix design number or mix code
2. Enter the amount of batch in cubic yards (or cubic meters)
3. Preview each load before starting the batch
4. Adjust any required mix design parameters by load
5. Add admixtures to batch without changing stored mix design
6. Prompt for Truck ID (if so configured)

**The CB-2 takes care of the rest!**

## Onboard Reporting Module Available

Using a standard off-the-shelf 80-column bidirectional dot-matrix printer, the CB-2 has a robust onboard reporting module including:

- Batch ticket
- Reprint last batch ticket before next batch is started
- Material usage/inventory reports
- Mix design reports
- System configuration report





# CB-2 CONCRETE BATCH CONTROLLER



**Complete your system with the best industrial weighing equipment available.**

## **SURVIVOR® Truck and Railroad Scales**

Known as "The Toughest Scales on Earth.™" SURVIVOR truck and track scales provide reliable performance under the most demanding conditions. These scales are built with more structural steel, a superior support structure and innovative design features that provide consistent accuracy, less downtime and longer scale life.

## **HMI Digital Weight Indicators**

We offer a complete line of weight indicators, including models that can store up to 1,000 truck ID numbers and truck tares.

## **Automated Ticketing Kiosk System**

Our robust Automated Ticketing Kiosk System is the ideal solution for unattended or semi-unattended truck weighing, identification and load assignment. Comprised of rugged NEMA steel for long-lasting durability in any weather.

## **Traffic Signals**

Rice Lake traffic signals have been tested to over 80 MPH wind loading on a single-point attachment. Corrosion-resistant PVC coatings and stainless steel hardware make the unit virtually impervious to weathering.

## **Remote and Messaging Displays**

Featuring a super-bright LED display and a non-glare filtered lens, the SURVIVOR LaserLight® remote display and M-Series messaging remote display is clearly visible — even in direct sunlight. The unique IntelliBright™ feature uses a photo sensor to read ambient light to automatically adjust the display's intensity between day and night settings to optimize power usage. The 4" and 6" LaserLight and 8 and 12-character M-Series models are available with visors.

## **Load Cells**

Rice Lake is the largest supplier of load cells and related accessories in North America. Our load cells are standard equipment on many OEM concrete plant applications. Rice Lake components are the perfect solution to retrofitting your existing plant.



## **Standard Features**

- One aggregate and one cement scale sampling 120 times per second
- Standard manual override controls
- Batch tickets with configurable field printing
- 1 MB database
- Material usage by day/week/month/year and inventory on-hand with reporting
- Automatic aeration control for cement silos and weigh hoppers
- Multiple freefall values per material with "learning" abilities
- Split batching for loads larger than plant capacity with pre-weighing next batch for maximum throughput
- Automatic dust collection outputs
- Simulation mode for demonstration and/or testing purposes
- Automatic preact compensation algorithm
- Precision control of inching gates for aggregate and cement discharge
- Passcode protection
- Auto jogging gross, ideal targets and net mode batching
- US or metric units
- Order-centric loading



[www.thescaleshop.net](http://www.thescaleshop.net)

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