Concrete Batcher Questionnaire

RICE LAKE
WEIGHING SYSTEMS

Customer Number:

Company: 　　　　　　　　　　　　　　　Name:

Date: 　　　　Phone: 　　　　Fax: 　　　　Email:
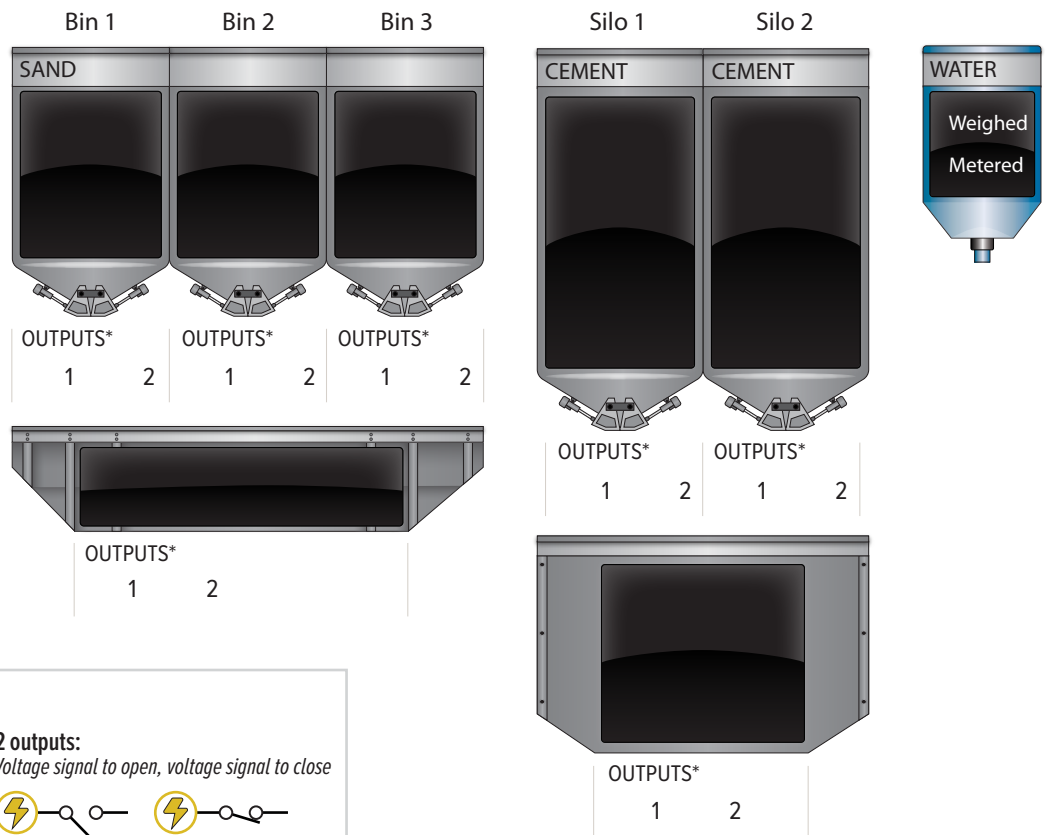
1. Tell Us About Your Current System
Check boxes in either Accumulative or Decumulative to reflect your current system. Type in any bin materials you use.

Accumulative System
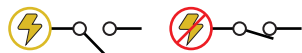
Plant batch size
requirements (cubic units):

Maximum

Minimum

Bin 1 — SAND

Bin 2

Bin 3

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

Silo 1 — CEMENT

Silo 2 — CEMENT

WATER — Weighed / Metered

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

*ELECTRICAL REQUIREMENTS

1 output:
Voltage on to open, voltage off to close

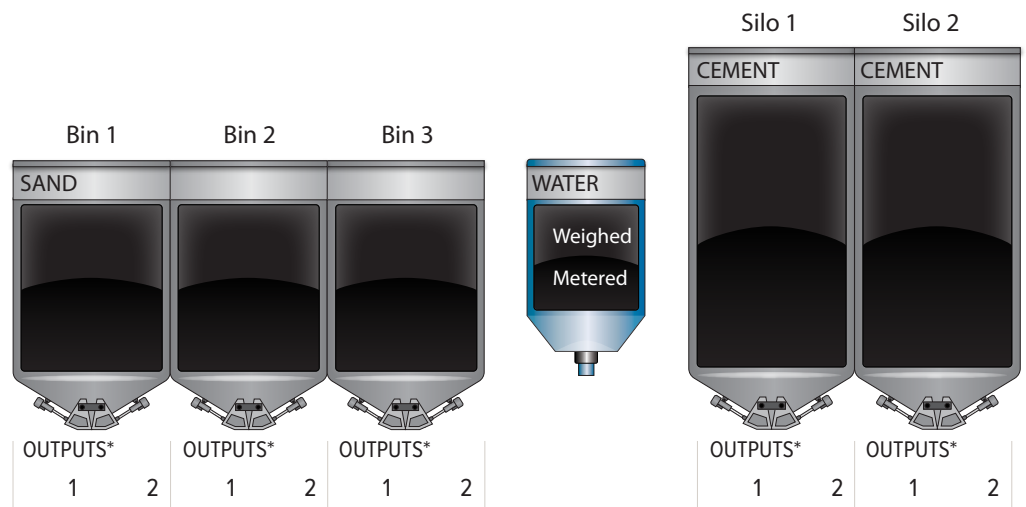**2 outputs:**
Voltage signal to open, voltage signal to close

Decumulative System

Plant batch size
requirements (cubic units):

Maximum

Minimum

Bin 1 — SAND

Bin 2

Bin 3

WATER — Weighed / Metered

Silo 1 — CEMENT

Silo 2 — CEMENT

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

OUTPUTS* 1 2

2. Weigh Ticket Information

Ticket example is shown below. Please include any custom information in the space below and provide an example ticket.

```
Ticket #: 3
Customer: Rice Lake Weighing Systems
Truck #:  1258

Mix ID:   1
Mix Name: Test Mixture
Quantity: 1.0 CY

Ingredient       Target      Actual      %TOL
--------------------------------------------------
Sand             1200 lb     1195 lb     -0.4%
Stone2           1000 lb     1010 lb      1.0%
Stone1            800 lb      800 lb      0.0%
Cement            400 lb      400 lb      0.0%
FlyAsh            200 lb      205 lb      2.5%
Admix 1            10 oz       11 oz     10.0%
Admix 2             5 oz        5 oz      0.0%
Admix 3             6 oz        6 oz      0.0%
Admix 4             6 oz        6 oz      0.0%
Water              50 gal      50 gal     0.0%

08:08 AM 12/13/2024
```

3. Input Requirements:

Please indicate all the applicable inputs for this system.

	Decumulative Batcher	Accumulative Batcher		Decumulative Batcher	Accumulative Batcher
Admixture 1 Bottle Empty			Manual Mode		
Admixture 1 Pulse Meter			Air Pressure OK		
Admixture 2 Bottle Empty			E-Stop		
Admixture 2 Pulse Meter			Water Meter Pulse		
Admixture 3 Bottle Empty			Conveyor Running		
Admixture 3 Pulse Meter			Water Gate Limit Switch		
Admixture 4 Bottle Empty			Aggregate Gate Limit Switch		
Admixture 4 Pulse Meter			Cement Gate Limit Switch		

Are there any additional 120V or 240V input requirements not mentioned in the previous list such as sensors, switches, limit switches, photo eyes, etc?

If so, please specify in the space provided.

4. Output Requirements:
Please indicate all the applicable outputs for this system.

	Decumulative Batcher	Accumulative Batcher		Decumulative Batcher	Accumulative Batcher
Conveyor Start/Run			Water Feed		
Alarm/Horn			Bin 1 Vibrator		
Bin 3 Vibrator			Bin 2 Vibrator		
Bin 3 Feed			Cement 1 Air		
Admixture 1 Fill/Feed			Cement 2 Air		
Admixture 1 Discharge			Dust Collector 1		
Admixture 2 Fill/Feed			Dust Collector 2		
Admixture 2 Discharge			Aggregate Vibrator		
Admixture 3 Fill/Feed			Cement Vibrator		
Admixture 3 Discharge			Aggregate Air		
Admixture 4 Fill/Feed			Water Discharge		
Admixture 4 Discharge			Aggregate Gate Open		
Bin 1 Feed			Aggregate Gate Close		
Bin 2 Feed			Cement Gate Open		
Cement 1 Feed			Cement Gate Close		
Cement 2 Feed					

Are there any additional 120V or 240V output requirements that were not covered in the previous list, including but not limited to air solenoids, vibrators, aerators, motor starters, horns or lights?

If so, please specify in the space provided.

5. Weighing and Moving Aggregates and Cements:

5a. Apart from a feed gate and gravity, does the aggregate require any equipment to move it from a surge bin into the weigh hopper?

5b. List equipment used to move aggregate into the truck or mixer. For example: "Gate opens releasing product. Product travels via conveyor to truck."

5c. List equipment used to move cement from silo into weigh hopper:

5d. List equipment used to move cement from weigh hopper into the truck/mixer:

6. Admixtures and Water

6a. Does the process use more than the standard front- and tail-water additions?

Yes   No

If yes, describe:

6b. How many admixtures does this system use? NOTE: Four is the default maximum.

How Many

6c. Describe any mix design methods used (bottle or direct).

7. Drawing of Plant
A drawing helps show system integration and design. Please include the location of all moving parts
(gates, conveyors, augers), sensors, load cells, bins, silos, water and admixture lines.