

# EASY BLEND BATCHING SYSTEM

Simple, Effective Operation with Accuracy and Versatility

The Easy Blend Batching System is designed to meet the needs of your unique concrete products operation. The system can be configured to support multiple mixers and multiple machines. Material transfer timing and control logic are easily customized to maximize the efficiency and productivity of your plant.

The Easy Blend Batching System automatically controls many plant functions such as weighing desired materials and charging the mixer. The system interacts with the batch plant by directing and monitoring plant operations. Easy Blend automatically weighs the programmed quantity of material on the plant's scales and charges the mixer with those materials in the programmed mix sequence. Auxiliary devices such as conveyors, hoppers and dispensers are also controlled and monitored by the system. The Easy Blend Batching System uses both analog and digital inputs/outputs to control and monitor the batch plant operation.



Create better processes with software designed to provide total control of your concrete products operation. The Easy Blend concrete automation system provides control and data processing to automatically produce, track and manage dry or wet mix concrete products.

## STANDARD FEATURES

- **Automatic Initiation for Single or Multiple Machines** - Automatic batch initiation allows you to keep concrete supplied to all production machines based on machine hopper levels and usage.
- **Machine Local Control and Call Stations** - Operate multiple machines from localized control stations with parallel access — complete with auto/manual switches, favorite mix designs, and adjustment controls.
- **Hydronix Probe Management** - This embedded feature helps manage calibration and monitoring of microwave moisture sensing probes.
- **Inventory Management** - Easily track material inventory with automatic deduction feedback from dispensing devices and additions by hand-entry.
- **Embedded Color Controls** - Mix design comes embedded with remote just-in-time control of color distribution.
- **Variegation** - Use multi-color mud feeding controls for precise and repeatable results.

## STANDARD FEATURES (cont.)

- **Repeatable Consistency** - All settings for coordinated scaling, mixing and feeding of multi-colored products are saved in product mix designs to be loaded and reproduced.
- **Data Storage** - A comprehensive batch history saves to a SQL database.
- **Reporting** - In-depth information pulled via an easy to read web-based reporting to assist production management.
- **Mixer Charge and Mix Sequence** - Up to 10 user-configurable schedules available for total control of mixer charge and mix sequencing.
- **Mix Designs** - Easily select and load unlimited comprehensive mix designs.
- **Moisture Control** - Hydronix technology for aggregate moisture compensation and mixer moisture control.
- **Scale Calibration** - Precisely calibrate scales at each control station.
- **Email and Mobile Alert System** - Receive automatic texts and emails in case of system alarms.
- **Live Charts for Mixer Conditions** - View live charts showing trending moisture, water-cement ratio, or amps used on current batches.
- **Batch Redirect** - Quickly redirect a batch to a different destination during unexpected production changes.
- **Event Logging** - Track all activity with all new setting changes, time stamps and users.
- **User Security and Tracking** - Secure administrative access to system editing and mix designs for only qualified operators or supervisors.

## SPECIFICATIONS

### Dimensions/Weight (based upon use with a single mixer)

- Width: 36" (914 mm)
- Height: 72" (1829 mm)
- Depth: 16" (406 mm)
- Weight: 300 lbs (136 kg)

### Voltages

- 120 V., single phase, 50 - 60 Hz (other voltages available)



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### Batch Ticket

#### Concrete Wall Mix

#### Color 3

Discharge Time: 10/16/2018 7:26:32 PM

Mixer: Mixer 1

Work Center: ?

Ticket #: 0016644

Destination: Mud Hopper 3

Ing Name	Design Target	SSD Target	Unit	Free Moisture	Free Water	Adjusted Target	Actual	Variance	In Tolerance
Gray Cement	470.00	353.00	lbs	3.90%	1,429	1,468	345	-2.21%	Yes
Sand	1,830.00	1,373.00	lbs	2.85%	2.92	865	854	-1.23%	Yes
50/50 Mix	1,120.00	840.00	lbs	1.80%	0.45	229	209	-8.70%	Yes
Pea gravel	38.00	29.00	oz		0.00	29.00	29.00	0.00%	Yes
Colorescape	0.00	5.85	gal			5.85	5.85	0.00%	Yes
Black 330C	6.35	4.77	lbs			4.77	4.79	0.42%	Yes
Free Water	0.00	0.00	lbs			86.13	90.92	0.00%	Yes
Entrained Air	0.01	0.01	%			0.01	0.01	0.00%	Yes
<b>Totals</b>		<b>2846</b>	<b>Lbs</b>			<b>3017</b>	<b>3043</b>		

Admin Free Water:	0.00	0.00
Agg Free Water:	10.34	86.13
Color Water:	0.00	0.00
Added Water:	5.85	48.75
<b>Total Water:</b>	<b>16.19</b>	<b>134.88</b>
<b>Total Cement:</b>	<b>0.00</b>	<b>345.20</b>
<b>W/C Ratio:</b>	<b>0.391</b>	<b>Trim Water: +0.59 %</b>

Scaling Time: 2:38  
Scale Done Time: 6:17  
Mixing Time: 3:19  
Mixer Done Time: 0:36  
Total Cycle Time: 12:50

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### KFBatch Reporting System Dashboard

Start Date: 10/16/2018 12:00:00 AM



All screens are simple and easy to understand.

For better viewing, all guards, safety devices and signs are not necessarily shown. Some of the equipment shown or described throughout this brochure is available at extra cost. Besser Company reserves the right to change or improve product design and specifications without prior notice. Since the time of printing, some of the information in this brochure may have been updated, ask your Besser sales representative for details.