Command
Alkon

COMMANDbatch Product Catalog

Command Alkon

COMMANDbatch

Ready to batch with unmatched speed and accuracy?

Concrete that is batched accurately will be able to leave the plant sooner, make the delivery process safer, and speed up placement, resulting in a quality finished product. Consistently delivering with both speed and quality is the key to return business and a growing customer base.

20%+

Average Reduction in Load Time

You want to:	COMMANDbatch will:
Improve production speed	Reduce load times by as much as 30%
Reduce waste	Eliminate inaccurate and inefficient production processes that waste materials and eat away at your margins
Deliver consistent quality	Reduce poor or out-of-spec concrete that results in rejected loads
Capture real-time visibility and control into production operation	Allow quick and easy access to production and operational information

COMMANDbatch

Comprehensive feature set

Highly configurable to meet your exact needs

Robust connectivity with dispatch and quality control

Do more with add-ons to control moisture, temperature, and water adjustments

CONTACT US

Command Alkon
info@commandalkon.com
commandalkon.com

> COMMANDbatch is fast, accurate, and easy to use with little to no errors! I have used a few different batch systems in the past, and in my opinion COMMANDbatch surpasses them all by far.

Woody Arwood
Dispatch Manager
IMI – Irving Materials, Inc.

Empower Yourself Through the Batching Process

COMMANDbatch is fully customizable, with the ability to change 100% of the settings in real time. No need to fumble with confusing text files or rebooting the system. Nothing but real-time control for you to maximize production. Fast Batch Technology is more than queueing tickets – what if you could run multiple loads at the same time, adjust the mix before starting, and change all settings on-the-fly, all from the same screen?

Capture True Profitability

Track weights, inventory, round trip times, and man hours to provide a true picture of profitability and success that allows you to push your operations to the next level.

A Leader in the Industry

Recognized worldwide for helping producers achieve operational efficiency, quality, time savings, and profitability based on their specific needs. The accuracy and speed of COMMANDbatch ensures superior quality and delivers material and time savings that are unmatched by any other system.

A Partner You Can Trust – Every Step of the Way

Our implementation and support professionals are focused on your success every step of the way – through each phase of implementation and in supporting your daily needs. We understand the keys to success in the industry and are committed to ensuring your return on investment and equipping your business to grow.

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The Supplier Collaboration Platform for Your Heavy Work

RM100/200

COMMANDbatch helps accurately batch concrete while improving production speed, reducing waste, and delivering consistent quality.

Materials	Model RM100*	Model RM200*
Aggregates	**4**	**6**
Cements	**2**	**3**
Waters (metered)	**2**	**2**
Admixes (metered)	**4 of 6**	**4 of 8**

Automatic Plant Control

- Conveyor Manual Start/Stop Switch
- Conveyor Discharge Interlock
- Aggregate Scale Automatic Vibrator Control
- Cement Scale Automatic Vibrator Control
- Automatic Conveyor Control (1)
- Air Compressor (1)
- Cement Automatic Aerations (2 for RM100, 3 for RM200)*

Hardware

- Desktop Computer
- Keyboard
- Mouse
- UPS Battery Backup
- LCD Flat Screen Monitor (1 for RM100, 2 for RM200)*
- E-Z Cal Manual Station and J-Box

Standard Software Features

- Freewheel Batching - Start up to 5 loads
- Continuous Batching / Continuous Discharge - Run the same load continuously
- Multi-Batch Control - Corrects error on next batch and jogs on last batch
- Over and Under Tolerance Interlocks – Notification when materials weigh-up out-of-tolerance depending on load size

Continue on back

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- Scale Zero and Bottle Empty Interlocks - Ensures scales and bottles are empty
- Scale Rate of Discharge - Settings for flow adjustment calculations
- Scale Flow Control Dampening - Precise feed cutoff calculations and drop determinations
- Scale Motion Detection - Ensure stable reading for recording tares and batch weights
- Automatic Scale Tolerance Checking - Notifies you if scales are not considered empty
- Automatic Bin Switching - Switches to alternate bin without operator intervention
- Automatic Bin/Silo Vibrator Control - Set IO point and min flow rate for automatic vibrator start
- Ice Correction – System makes the necessary corrections to the water target to compensate for the ICE.
- Notification Audible Alerts - Alerts for low inventory and batching/non-batching errors
- Low Inventory Can Be Used to Prevent Load Start - Low inventory message provides options at batch start
- On Hand Inventory Available at a Glance - View inventory levels of materials at any time
- Mix Design Integrity Check – Check W/C ratio, Yield, material target limits against the system parameters prior to starting a batch
- Manual Material Monitor Report - Report shows amounts manually fed
- Alarms Reporting - Log of all alarm notification messages including production and tolerance errors, silent alarms, user log in and out times
- Batch Weights Printing - Select items to print; enable/disable batch weights printing
- Slump Tables - Set amount of water added/ subtracted per slump increment
- Truck Charge Rate Adjustable on-the-Fly - Adjust truck charge rate during a batch
- Admix and Admix Design Trims - Automatically trim admixes/admix designs at batch time
- SMS (Soft Manual Station) – Control manual feeding at remote plant
- Allowable Water Feature - Increase amount of water that can be added at the job
- Mix Design Management - Change the material or design amount in many mixes
- Plant Performance Graphs - Analyze batching and out-of-tolerance problems
- Discharge, Weigh-Up, and Sequence Diagnostics - View scale flow rates, drop records, and sequences
- Standard Reports- Inventory totals, material usage, mix design listing

Administration & Integration

- Auto Archive and Purge - Enable and configure database auto archive and purge
- User Permissions for Configuration/Editing - Security Groups and individual permissions for forms
- Remote Diagnostics and Troubleshooting - CAI Service can use Logmein123 or Teamviewer for remote diagnostics and training
- Shipment and Production Data Export Utilities – extract ticket, batch weights, and performance data in CSV, XLS, XML formats.
- Autoupdater – Automatically and securely download software packages at your convenience.

Miscellaneous

- Training Mode
- Online Help and Operator Manuals
- Expendable Parts Kit
- Plant Wiring Diagrams
- USB Media with COMMANDbatch Software
- 1-Year Batch System and Software Priority One Support Agreement

***Denotes Optional Feature*

A La Cart Modules & Features

Extend the functionality and value of your COMMANDbatch system with any of these additional modules or software features.

Precision Water System
- A combination of hardware and software work together to ensure that the load characteristics (slump, workability, yield, etc.) are achieved with the batching process

Precision Temperature System
- Specify system-wide default temperatures, and/ or specify by individual mix design

Out-of-range temperature notifications
- Temperature sensors for all types of materials available, or supply your own to meet system specifications

Post Load Process Manager
- Track and record yard activity after the truck is loaded, but before it leaves the yard

Plant Watcher
- Receive emails about out-of-tolerance conditions and material/mix design changes

Order Entry
- Create projects, orders, and tickets.
- Select ticket format; configure tickets, plus bar codes.
- Print tickets and order entry reports

Remote Batching
- Batch over the network; driver starts load at remote plant

Multi-Plant Support
- Client/Server setup

Multi-Company Support
- Companies batch from same plant and record usage separately

Moisture Probe Support
- Assign probes to bins and see readings on Batch Setup

Quickbooks Interface
- Export tickets to XML and import into QuickBooks. Desktop version only.

Other
- Color System Interface
- Slurry Water Compensation
- Ice Correction, manual added ice or weighed Ice
- Laser Printer Formatting
- Third Party Universal Dispatch Link
- COMMANDseries/Integra Dispatch Interface
- Automated Inventory Update Integration
- Second Client/Remote User

Mixer Controls
- Load Meter Display - Slump gauge
- Temper water controls - Central mix plants
- Wet/dry plant controls - Dual loading alley plant

Miscellaneous Plant Controls
- Dust collector
- Aeration blower/telescopic boot
- More

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Remote Batching

With Remote Batching, lower volume plants can be operated safely, reliably, and cost-effectively from a different location at any time. Once a truck is in position, the remote batcher can load the truck then shut the plant back down.

Features:

- Soft Manual Station (SMS) controls allow for the operation of bins and hoppers, as well as for manual controls such as the air compressor, boot up/down, washout water, etc., from a remote location with the click of a mouse.
- The Driver Authorization Box is standard with the Remote Batching configuration to tell the COMMANDbatch software when a remotely batched load is authorized by the driver for discharge.
- Remote Client allows up to three additional remote users to access one COMMANDbatch system at the same time so that plant monitoring, tune up, mix design management, diagnostics, and troubleshooting are possible anywhere, at any time.
- Remote Client users can perform tasks without interfering with normal operation.
- Master records can be created, updated, or deleted for customers, mixes, other products, pricing, orders, etc.
- Plant automation can be modified including bin tuning, discharge tuning, and device sequencing/material blending.
- Use built-in tools such as Weigh-Up or Discharge Diagnostics, Sequence Tracer, Custom Equation Monitor, or Ticket Format Helper for troubleshooting.
- Most reports can be previewed or printed remotely to the user's location. With the addition of remote batching hardware, these additional clients can perform Remote Batching.

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Order Entry

The Standalone Order Entry module is used to maintain information about planned deliveries. It allows users to create orders and to create tickets from those orders. An “Order Index” is provided on the left side of the Orders form so that the operator can decide which orders to process next.

Features:

- “Quick Tickets” can be created for immediate printing
- Tickets can be scheduled in advance and stacked for later printing
- Tickets for non-batch products can be created and printed
- Truck and Truck Type can be preselected to save time
- Spacing between deliveries can be set on the order
- Delivery Instructions can be entered on the order and printed on the ticket
- Target weights can be calculated and displayed on the Batch Setup form and printed if required
- Authorized users can edit and print tickets
- Order Entry reports can be generated
- Price Manager to adjust prices globally

System Requirements:

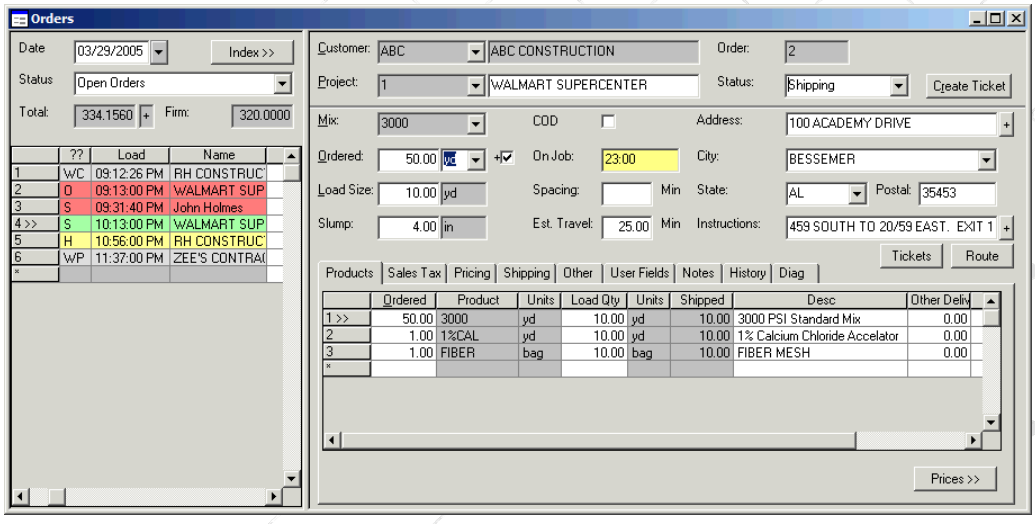
- Windows XP Professional and Service Pack 2 (required) or Service Pack 3 (preferred); or Windows 10 (64-Bit) Professional
- If using a carbonless multi-part form, a dot matrix printer is required (customer can supply)
- If using Laser Ticket format, then ink jet or laser printers are required

Implementation:

- High speed Internet Connection is required for remote implementation and support
- The delivery ticket must be supplied before the remote implementation so that it can be configured before delivery of the system

Remote Implementation consists of:

- Standalone Order Entry installation with the PC and 9-Pin Dot Matrix Printer in the same room. The printer will be set up for a Parallel Port
- USB Ticket Export using the COMMANDbatch standard export configuration
- Remote implementation/configuration/training hours (including ticket format design/creation) billed separately



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Color Interface

COMMANDbatch can be integrated with Euclid Chemical's Color-Matic G color dispensers to provide direct control of color system start and discharge commands. Graphic indicators can be added to the Batch Graphics form, so operators can see when the color system is active. Any color system errors or alarms are presented as COMMANDbatch notifications. COMMANDbatch automatically collects the target and batched color water amounts and adjusts the load properties, so operators do not have to make manual adjustments or calculations

Prerequisites

- Use version 2018.1.1 or later to integrate your Color System with COMMANDbatch.
- The following color dispensers have been tested and approved for integration with COMMANDbatch:
- Euclid Ethernet/TCP Color-Matic G
- Sika Granular Color system/TCP Color-Matic G

Color System Integration Benefits

- No longer have to manually start and discharge the Color System from a separate color machine. The Color System start, and discharge is controlled by COMMANDbatch.
- No longer have to make adjustments or calculations to account for water added by the color process. Water used in mixing the color is automatically figured into the water in the batch, you do not have to make any adjustments or calculations.
- Can see when the Color System starts and stops in real-time when you add the Color System to your Batch Graphics form.
- Can view Color System device errors or alarms within COMMANDbatch.

Color System Tickets

- Color System integration works with tickets:
  - Received from Ulink
  - Created in Order Entry
- You cannot add color to a ticket that you create on the Batch Setup form.

Color System Batch Interactions

- When you start a ticket that has color:
  - COMMANDbatch tells the Color System to start and which color mix to use.
  - The Color System sends a ready to discharge message to COMMANDbatch. The response includes the water amount used by the color process. COMMANDbatch uses this amount to automatically adjust targets.
  - COMMANDbatch tells the Color System to discharge the color.
  - The Color System tells COMMANDbatch when the discharge is complete.
  - COMMANDbatch requests the water amounts used by the color process and automatically adjusts the actual water used.
  - If another color ticket is queued, it will not start until the current color has discharged.

Laser Ticket Formatting

Improve your delivery ticket quality with a fully customizable digital delivery ticket, formatted for laser ticket printing.

Quality and Flexibility

- High resolution print quality
- No more standard print shop template
- Easy to modify and customize

Reprints and Exports

- Full view ticket reprints
- Complete laser ticket exports

Low maintenance printing

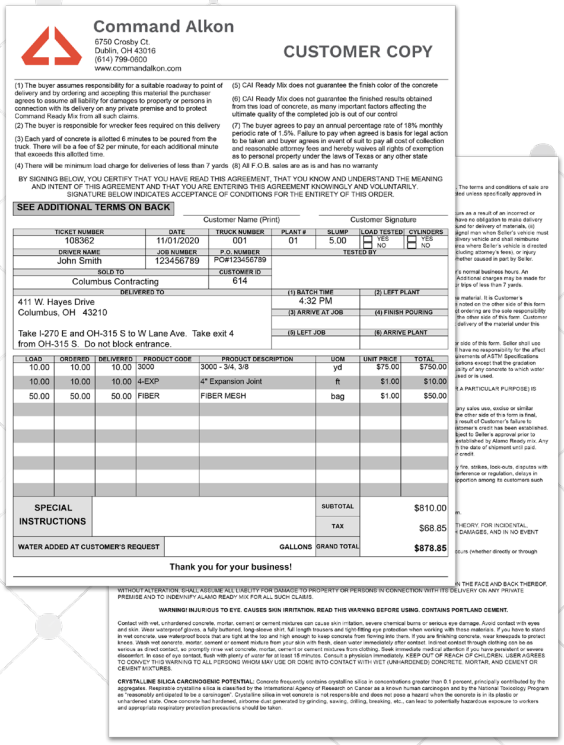
- Print tickets and reports from one printer

Benefits

- Reduces waste
- Low maintenance solution
- Front/Back page printing
- Pre-printed disclaimers

Requirements

- Printer must support duplex printing



Command Alkon
6750 Crosby Ct.
Dublin, OH 43016
(614) 799-0800
www.commandalkon.com

CUSTOMER COPY

(1) The buyer assumes responsibility for a suitable roadway to point of delivery and by ordering and accepting this material the purchaser agrees to assume all liability for damages to property or persons in connection with its delivery on any private premise and to protect Command Ready Mix from all such claims.

(2) The buyer is responsible for wrecker fees required on this delivery

(3) Each yard of concrete is allotted 6 minutes to be poured from the truck. There will be a fee of $2 per minute, for each additional minute that exceeds this allotted time.

(4) There will be minimum load charge for deliveries of less than 7 yards

(5) CAI Ready Mix does not guarantee the finish color of the concrete

(6) CAI Ready Mix does not guarantee the finished results obtained from tres load of concrete, as many important factors affecting the ultimate quality of the completed job is out of our control

(7) The buyer agrees to pay an annual percentage rate of 18% monthly periodic rate of 1.5%. Failure to pay when agreed is basis for legal action to be taken and buyer agrees in event of suit to pay all cost of collection and reasonable attorney fees and hereby waives all rights of exemption as to personal property under the laws of Texas or any other state

(8) All F.O.B. sales are as is and has no warranty

BY SIGNING BELOW, YOU CERTIFY THAT YOU HAVE READ THIS AGREEMENT, THAT YOU KNOW AND UNDERSTAND THE MEANING AND INTENT OF THIS AGREEMENT AND THAT YOU ARE ENTERING THIS AGREEMENT KNOWINGLY AND VOLUNTARILY. SIGNATURE BELOW INDICATES ACCEPTANCE OF CONDITIONS FOR THE ENTIRETY OF THIS ORDER.

SEE ADDITIONAL TERMS ON BACK

Customer Name (Print) Customer Signature

TICKET NUMBER	DATE	TRUCK NUMBER	PLANT #	SLUMP	LOAD TESTED	CYLINDERS
108362	11/01/2020	001	01	5.00	☐ YES ☐ NO	☐ YES ☐ NO

DRIVER NAME	JOB NUMBER	P.O. NUMBER	TESTED BY
John Smith	123456789	PO#123456789	

SOLD TO	CUSTOMER ID
Columbus Contracting	614

DELIVERED TO	(1) BATCH TIME	(2) LEFT PLANT
411 W. Hayes Drive Columbus, OH 43210 Take I-270 E and OH-315 S to W Lane Ave. Take exit 4 from OH-315 S. Do not block entrance.	4:32 PM	
	(3) ARRIVE AT JOB	(4) FINISH POURING
	(5) LEFT JOB	(6) ARRIVE PLANT

LOAD	ORDERED	DELIVERED	PRODUCT CODE	PRODUCT DESCRIPTION	UOM	UNIT PRICE	TOTAL
10.00	10.00	10.00	3000	3000 - 3/4, 3/8	yd	$75.00	$750.00
10.00	10.00	10.00	4-EXP	4" Expansion Joint	ft	$1.00	$10.00
50.00	50.00	50.00	FIBER	FIBER MESH	bag	$1.00	$50.00

SPECIAL INSTRUCTIONS		SUBTOTAL	$810.00
		TAX	$68.85
WATER ADDED AT CUSTOMER'S REQUEST	GALLONS	GRAND TOTAL	$878.85

Thank you for your business!

WARNING! INJURIOUS TO EYE. CAUSES SKIN IRRITATION. READ THIS WARNING BEFORE USING. CONTAINS PORTLAND CEMENT.

Contact with wet, unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Avoid contact with eyes and skin. Wear waterproof gloves, a fully buttoned, long-sleeve shirt, full length trousers and tight-fitting eye protection when working with these materials. If you have to stand in wet concrete, use waterproof boots that are tight at the top and high enough to keep concrete from flowing into them. If you are finishing concrete, wear kneepads to protect knees. Wash wet concrete, mortar, cement or cement mixture from your skin with fresh, clean water immediately after contact. Indirect contact through clothing can be as serious as direct contact, so promptly rinse wet concrete, mortar, cement or cement mixtures from clothing. Seek immediate medical attention if you have persistent or severe discomfort. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. KEEP OUT OF REACH OF CHILDREN. USER AGREES TO CONVEY THIS WARNING TO ALL PERSONS WHOM MAY USE OR COME INTO CONTACT WITH WET (UNHARDENED) CONCRETE, MORTAR, AND CEMENT OR CEMENT MIXTURES.

CRYSTALLINE SILICA CARCINOGENIC POTENTIAL: Concrete frequently contains crystalline silica in concentrations greater than 0.1 percent, principally contributed by the aggregate. Respirable crystalline silica is classified by the International Agency of Research on Cancer as a known human carcinogen and by the National Toxicology Program as "reasonably anticipated to be a carcinogen". Crystalline silica in wet concrete is not respirable and does not pose a hazard when the concrete is in its plastic or semi-liquid state. Once concrete has hardened, airborne dust generated by grinding, sawing, drilling, breaking, etc., can lead to potentially hazardous exposure to workers and appropriate respiratory protection precautions should be taken.

Precision Water System

The Precision Water System (PWS) is a combination of hardware and software that work together to ensure that the load characteristics (slump, workability, yield, etc.) are achieved with the batching process. Combined with the powerful material target calculation functionality of COMMANDbatch, the Precision Water System can produce better concrete with less variability, and possibly lower cost.

Improve consistency of production/product quality

- Produce consistent concrete from multiple plants
- Eliminate wet loads/dry loads
- Consistent water stabilizes strength, finishing effort, bleed water, and set time characteristics
- Support a variety of materials up to 1 1/2” coarse aggregates. (multiple probes recommended)

Reduce manual processes

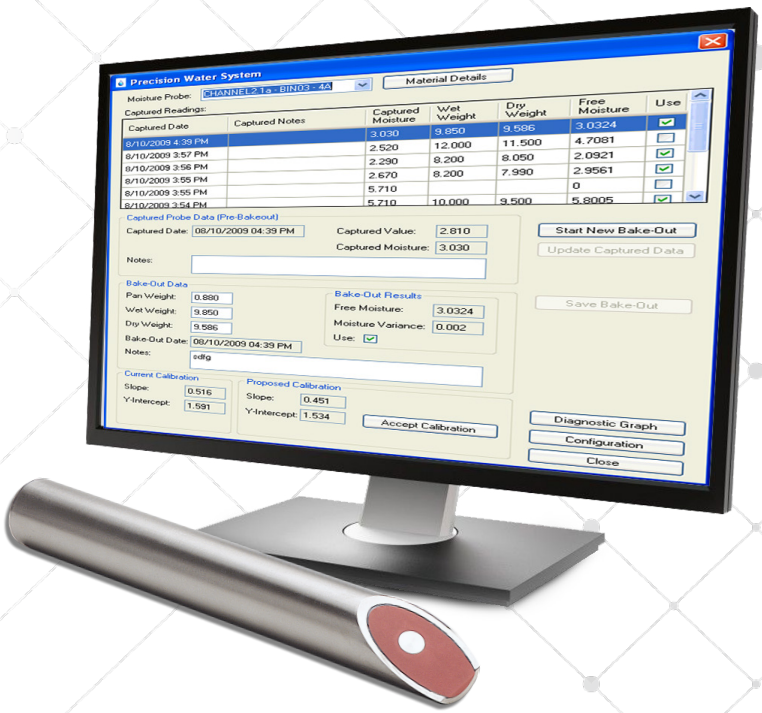
- Simplify calibration/bake-out process
- Regular use of system ensures probes calibrations stay up to date
- Easy access to historical data
- Lock and load sample mode
- Reduce in yard time
- Save time on load adjustments

Avert risk and waste

- Reduce rejected loads
- Ensure products meet customer specs consistently

Hardware

- Existing E-Z CAL manual stations can be updated for Precision Water System software
- Moisture Interface Controller (MIC) box can be used to extend up to 12 probes



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Precision Temperature System

Achieve lowest-cost, predictable concrete temperature every time with COMMANDbatch Precision Temperature System. Accurately estimate the final temperature before batching the load and eliminate risk of wasted time in the yard.

Improve Production

- Specify system-wide default temperatures, and/ or specify by individual mix design
  Out-of-range temperature notifications
  Temperature sensors for all types of materials available, or supply your own to meet system specifications
- Improve consistency of production/product quality

Minimize costs

- Reduce costs spent on heating/chilling, ice/ liquid nitrogen
- Reduce in-yard time
- Reduce time adjusting loads

Avert risk and waste

- Ensure products meet customer specs consistently

Post Load Process Manager (Basic and Smart)

The Post Load Process Manager (PLPM) is a powerful new tool for concrete producers to track and record yard activity after the truck is loaded, but before it leaves the yard. PLPM connects with the E-Z CAL manual station to allow for the automatic collection of water added (or any metered material) to the Load, i.e., slump stand water. It can also capture other activities, such as adding bags of fiber or color to the load.

Operation

- Can select the applicable location via a button at the top of the PLPM User Interface for multiple Post Load Locations.
- Up to ten users can access the PLPM application simultaneously.
- Mobile devices used for PLPM must be on the same network as the COMMANDbatch PC.
- Loads are automatically removed based on user preference. Removal from the PLPM User Interface automatically defaults to 30 minutes.
- Loads can also be removed by marking them ‘Complete’ on the current view or ‘Done’ on the history view.
- Smart PLPM can be configured to interlock material feed controls.
- Smart PLPM can an be configured with an optional output that provides power to an entire slump stand station.

Implementation

- PLPM is automatically installed with COMMANDbatch, so no other software installation is required.

System Requirements

- COMMANDbatch Version 2016.3.4 (1.9.3.4) or later.
- Google Chrome™ is required to run PLPM.

Automatic Bin Fill

The Automatic Bin Fill System provides a fast, automated, and cost-effective way to get materials from underground storage bunkers into overhead bins. The system's standard controls permit automatic monitoring and replenishment for up to six bins. The system allows priority-first replenishment if materials from one underground storage bunker are required more often than others. Any or all materials can be manually overridden at any time. An alarm indicator alerts the user to plant malfunctions. The emergency stop button halts all related plant motion in the event of a belt break or other hazard.

Features:

- Gap (Fast) mode allows optimization of bin loading on plants with long conveyors.
- Contamination Monitoring
- Skip Bin Filling
- Alternate Ground Bin sources (gates)
- Priority Bin filling with minimum fill times.
- Emergency High Bin Level monitoring
- Maintenance mode to perform maintenance or to run manually in winter.
- Customization on the more complex material handling systems.
- Integration with remote manual control panels, available as add-on.

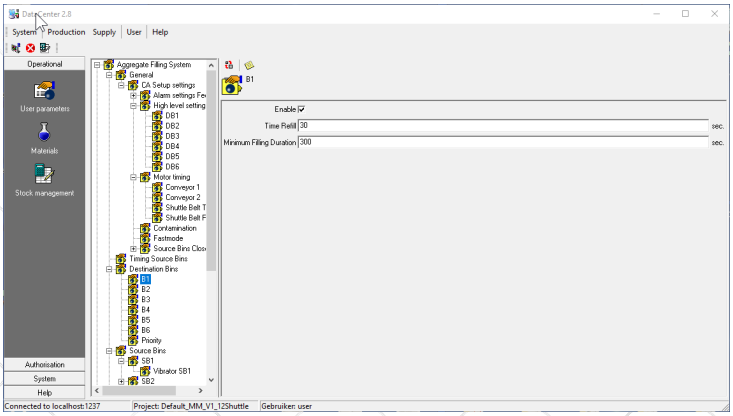
System Capabilities:

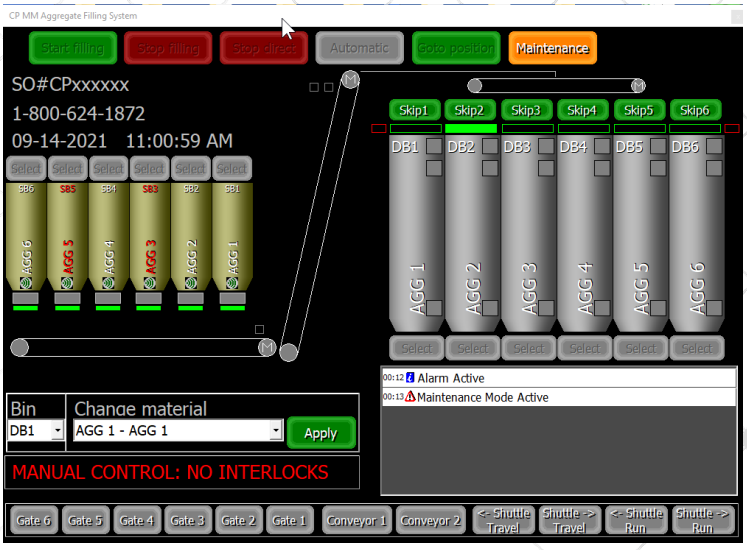
- Determine the need for a material
- Rotate the turnhead or shuttle conveyor to the correct position
- Turn on the feed belts as needed
- Open the correct feed gate on the underground storage silo
- Monitor the process until filling is complete
- As the System Sequences from One Material to the Next the Automatic Bin Fill system Will:
- Close the gate in use on the underground storage
- Determine the turn head positioning delay

Open the feed gate for the next material while ensuring the proper belt delay to prevent cross contamination of material bins

Benefits of Automatic Bin Fill System:

- Automates bin replenishment, allowing staff to concentrate on more important and time critical operations in the plant
- "Keep Full" ensures the batch plant bins remain full, preventing production delays





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