

COMMANDbatch Training

COMMANDbatch Intermediate

Course Description:

This one day class will familiarize attendees with how to access, evaluate, and utilize COMMANDbatch data that directly affects plant performance and COMMANDbatch settings and features that are beyond a basic understanding. Demonstrations, hands-on practice, and group discussions will be used to provide attendees with the knowledge and skills needed to improve plant performance and efficiency. Also gain a working knowledge of setting up new materials and sequencing devices within COMMANDbatch.

Who should attend:

Anyone in your organization who is responsible for batching operation, adding and maintaining materials and mix designs and troubleshooting minor setup issues within COMMANDbatch should attend this class.

Prerequisites:

Prior to attending this class the attendee should:

- Possess basic understanding of concrete plant functions.
- Possess basic understanding of material testing and qualities.
- Possess basic understanding of mix design testing and creation.
- Be familiar with concrete batching operations within your company.
- Have a working knowledge of COMMANDbatch.
- Completed the COMMANDbatch Basics Command Alkon course.
- Understand their specific job responsibilities within your organization.

Course Objectives:

After completing the Plant Performance session attendees will know how to:

- Identify the three feed cycles used by COMMANDbatch.
- Determine the procedure for obtaining the minimum amount to fast feed.
- Determine the procedure for obtaining the shut extra gate early amount.
- Identify the purpose of the "Allow Negative Preact" check flag.
- Identify the purpose of the preact override field.
- Determine the procedure for obtaining the jitter amount and percent for the fast feed and timed feed cycles.
- Determine the procedure for obtaining the default preact value.
- Identify the purpose of the default settle time assigned to a scale device.
- Identify the consequences of resetting the drop history of a device.
- Identify the purpose of the flow control settings on a bin type device.
- Determine the procedure for obtaining the minimum amount to timed feed.
- Identify how the max number of feeds is used by COMMANDbatch.
- Determine the procedure for obtaining the feed rate value.
- Identify how the max number of jogs is used by COMMANDbatch.
- Determine the procedure for determining the open time value for the jog feed cycle.
- Identify how the adjust time on the jog feed cycle is used by COMMANDbatch.
- Identify how the time override on the jog feed cycle is used by COMMANDbatch.
- Identify how the delay time is on the jog feed cycle is used by COMMANDbatch.

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- Determine the correct course of action in the event a feed device runs out of material.
- Identify how capacity values affect feed and discharge cycles.
- Identify what type of plant devices are required in order to to flow control scale devices.
- Identify how the initial pulses for scale devices are used.
- Identify how the adjustment pulses for scale devices are used.
- Determine the procedure for obtaining the min and max values for the target flow rate of a scale device.
- Identify the purpose of the start control after and time between calcs values on the flow tab of the scales form.
- Determine the procedure for obtaining the vibrate on below value.
- Identify the purpose of the Switch to Alt Bin Below value and determine the procedure to obtaining this value.
- Identify how the Based on flow feature works for scale devices.
- Access the Discharge Diagnostics tool in COMMANDbatch.
- Use the Discharge Diagnostics tool to troubleshoot scale discharge issues.
- Identify the purpose of the Skip Zero Check check flag on meter feed devices.
- Determine the procedure for obtaining the default preact, preact override, jitter amount, settle time and shut valve 2 early values on meter feed devices.
- Identify the purpose of the switch to alt source below field on meter feed type devices.
- Identify the procedures for setting up multiple meters for a single feed.
- Access the productivity form in COMMANDbatch.
- Access the Load Times chart in COMMANDbatch.
- Access the Weigh Up diagnostics chart in COMMANDbatch.
- Access the Deviations chart in COMMANDbatch.
- Use data from the productivity charts to diagnose batching accuracy issues.

After completing the CMDbatch Intermediate session attendees will know how to:

- Create a new COMMANDbatch user.
- Set permissions for a user.
- Identify the purpose of the fields on the Batching tab of the system parameters form.
- Identify the purpose of the fields and check flags of the Rules tab of the system parameters form.
- Identify the purpose of the fields and check flags of the Batching tab of the plants form.
- Identify how the limits and default qty fields are used on the Batch setup tab of the plants form.
- Identify the purpose of the fields and check flags located on the Qualities tab of the materials form.
- Set limits for a material.
- Enable and disable moisture compensation for a material.

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- Identify the purpose of the check flags located on the Batching tab of the materials form and how they affect inventory.
- Identify how COMMANDbatch uses the normal tolerance values.
- Identify how COMMANDbatch uses excess tolerance values.
- Identify how COMMANDbatch uses small tolerance values.
- Identify how COMMANDbatch uses small excess tolerance values.
- Identify how COMMANDbatch uses fast batch tolerance values.
- Identify how COMMANDbatch uses layer finished tolerances.
- Identify the parameters COMMANDbatch uses in determining which materials to feed first for materials that share the same destination or the same measuring device and are batched in the same mix.
- Identify the item groups and how they are used by COMMANDbatch.
- Identify the purpose of the check flags on the options tab of the materials form.
- Create a new mix design.
- Identify the purpose of the 'max batch size' field.
- Assign a sequence to a mix design.
- Identify sequencing as it is used in COMMANDbatch.
- Copy a sequence.
- Identify the difference between Multi and Single batch devices.
- Identify the hierarchy of sequences in COMMANDbatch.
- Identify the purpose of the Load Sequencing Configuration form. (As needed, based on audience)
- Identify the correct procedure for making adjustments to sequencing.
- Use sequence tracer tool to troubleshoot sequence issues.
- Write sequence steps.