

### Course Description:

This class will introduce users to the EZCAL hardware and the basic process of batching concrete using COMMANDbatch. Demonstrations, hands-on practice, and group discussions will be used to provide attendees with the knowledge and skills needed to perform basic batching operations using the COMMANDbatch software.

### Who should attend:

Anyone in your organization who is new to COMMANDbatch and is responsible for batching concrete should attend this class. In addition, any individuals that need a working knowledge of these basic processes should attend.

### Prerequisites:

Prior to attending this class the attendee should:

- Possess basic Windows Operating System skills
- Be comfortable with the use of a keyboard and mouse
- Be familiar with concrete batching operations within your company
- Understand their specific job responsibilities within your organization

### Course Objectives:

After completing this class attendees will know how to

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| <ul style="list-style-type: none"> <li>• Identify standard EZ-CAL electrical interlocks</li> <li>• Locate and Identify the system SO number.</li> <li>• Identify the major hardware components of the batch system and their functions.</li> <li>• Demonstrate zeroing scales and resetting counters.</li> <li>• Explain the effect zeroing scales has on batching accuracy.</li> <li>• Identify the procedures for verifying that the hardware scale and counter values are calibrated to the software.</li> <li>• Identify and describe the relationship of the addresses for the buttons on the Manual Station with the I/O locations in the I/O box.</li> <li>• Edit and print manual station button labels and display labels</li> <li>• Demonstrate making a button maintained and momentary.</li> <li>• Identify the physical limitations of the EZCAL Manual Station and I/O Box.</li> <li>• Identify troubleshooting procedures for minor electrical issues in the I/O Box.</li> <li>• Demonstrate how to use the Soft Manual Station.</li> <li>• Explain the purpose and function of the Manual Station Key Switch.</li> <li>• Demonstrate how to clear a "Bad Cell" error message and explain possible causes.</li> <li>• Identify major hardware components and how they are connected</li> <li>• log in to ebatch and archive databases</li> <li>• run forms</li> <li>• access online help and documentation</li> <li>• access the right click menu from the grid area</li> <li>• access the right click menu from the Batch Graphics form</li> </ul> | <ul style="list-style-type: none"> <li>• create, copy, and delete records</li> <li>• create a load of concrete</li> <li>• adjust target weights</li> <li>• change the mix slump</li> <li>• will adjust the in-truck water volume</li> <li>• adjust the water on a "per load" and "per yard" basis</li> <li>• adjust moisture % on a given material</li> <li>• add a material to a mix design at the ticket level</li> <li>• adjust the truck charge rate</li> <li>• Explain the difference between a Simulated, Training, and Actual batch</li> <li>• start auto batch process</li> <li>• hold, resume, and abort a batch</li> <li>• manually batch and discharge material</li> <li>• access on hand inventory</li> <li>• enter an inventory receipt</li> <li>• adjust an inventory amount</li> <li>• access inventory events</li> <li>• start a discharge cycle</li> <li>• print a ticket with and without batch weights</li> <li>• edit a delivery ticket</li> <li>• reprint a delivery ticket.</li> <li>• copy a material for at least one of the following groups: Aggregates, Cements, Water, or Admixes.</li> <li>• set tolerances for the new material created</li> <li>• assign the new material to a device</li> <li>• create a mix design using the created material</li> <li>• copy the new mix design</li> <li>• convert a mix design from US to metric</li> <li>• use the Washout function</li> <li>• understand and run the End of Day process</li> </ul> |
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