

Concrete Made Simple™

Complete batching control system for concrete plants



Upgrade your system!
 New batch plant

Complete batch plant control
 Quick to launch & easy to operate

Cost efficient

Dedicated implementation & support

Automates concrete batch plants

Up to four cements, four aggregates, four admixes, water, and other mixer additives.

Auto control for fast and accurate production of any concrete mix

Precast, SCC, dry mix block/paver, central ready mix, dry charge ready mix, bagging.

Excellent moisture control

System provides aggregate moisture compensation and accurate water/cement ratio utilizing optional Hydronix bin and mixer moisture probes.

Flexible charge and mix sequence

Optimizes equipment for fast and quality mixing.

On-the-shelf control panel

Ships to the site ready to connect to and run the batch plant.

All required connections provided

All connections to batch plant control devices (valves, motor starters, limit/prox switches, moisture probes, scale load cells, mixer motor ammeter, etc) are provided with detailed schematics for installation, maintenance, and troubleshooting.

Self-service enabled

Allows direct purchase of control components with easy software reload.

Built-in remote access

Connection to plant network enables secure and fast remote access and support.



Made in the USA



Proud partner for fabrication, implementation, and long-term support





Quality and easily replaceable control components

Do-More PLC, C-More headless HMI (human machine interface), StrideLinx remote access router, Automation Direct control components.

Relay buffered PLC outputs

Set up for 120 VAC or 24 VDC and PLC inputs (AC or DC).

Up to eight embedded weight indicators

Included for connection to load cell summing boxes with configuration, calibration, and monitoring of each through the PLC and HMI.

Complete interface to optional Hydronix moisture probes

Mixer probe and four bin probes including analog moisture and temperature signal inputs to the PLC and a serial server connection to the probe RS-485 network for probe monitoring, configuration, and calibration using the [Hydronix HydroCom software](#) on a remote or local network PC/laptop.

Optional system add-ons as required

- Cardinal 201 weight indicators where NTEP devices are required.
- Hardwired manual control interface of pushbuttons, switches, lamps, and meters for emergency or backup operation.
- Integration of color machines or other ingredient dispensers into the batching process.
- Auto/manual control of concrete handling equipment downstream of the mixer.

Equipment arrangement

System operation automatically adjusts to the current equipment arrangement configured for the plant.

Up to 50 mix designs

Each with all available materials set up by customer. Automatic calculation of mix design w/c ratio, unit weight, and unit volume as material amounts are edited. Automatic scaling of materials up or down when a mix design and its size in cubic yards are selected at batch time.

Operation of cement augers and aggregate gates

On-off batch and variable jog routine for fast and accurate weigh-ups.

Operator accessible system configuration

Including free fall weights, jog times, +/- tolerances for each material, etc.

Alarms

Warn the operator of any condition that affects accuracy or production such as bridged or empty bin, scale failure, failure of scale gate to close, E-stop shutdown, etc.

Automatic saving of batch tickets

View/print from a network PC.

Help screens

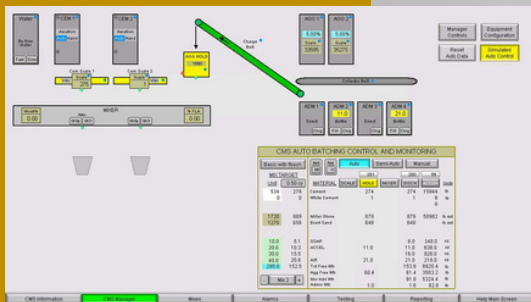
To understand and operate the batch plant controls.

Testing screen

Monitor and operate PLC I/O for startup, troubleshooting, and maintenance.

Operator interface

Compatible with an external, replaceable PC monitor of any size and a serial mouse located at the control panel or on nearby desktop. Dynamic graphics and tables displaying batch status for easy configuration, operation, and monitoring of plant.



To learn more, contact

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