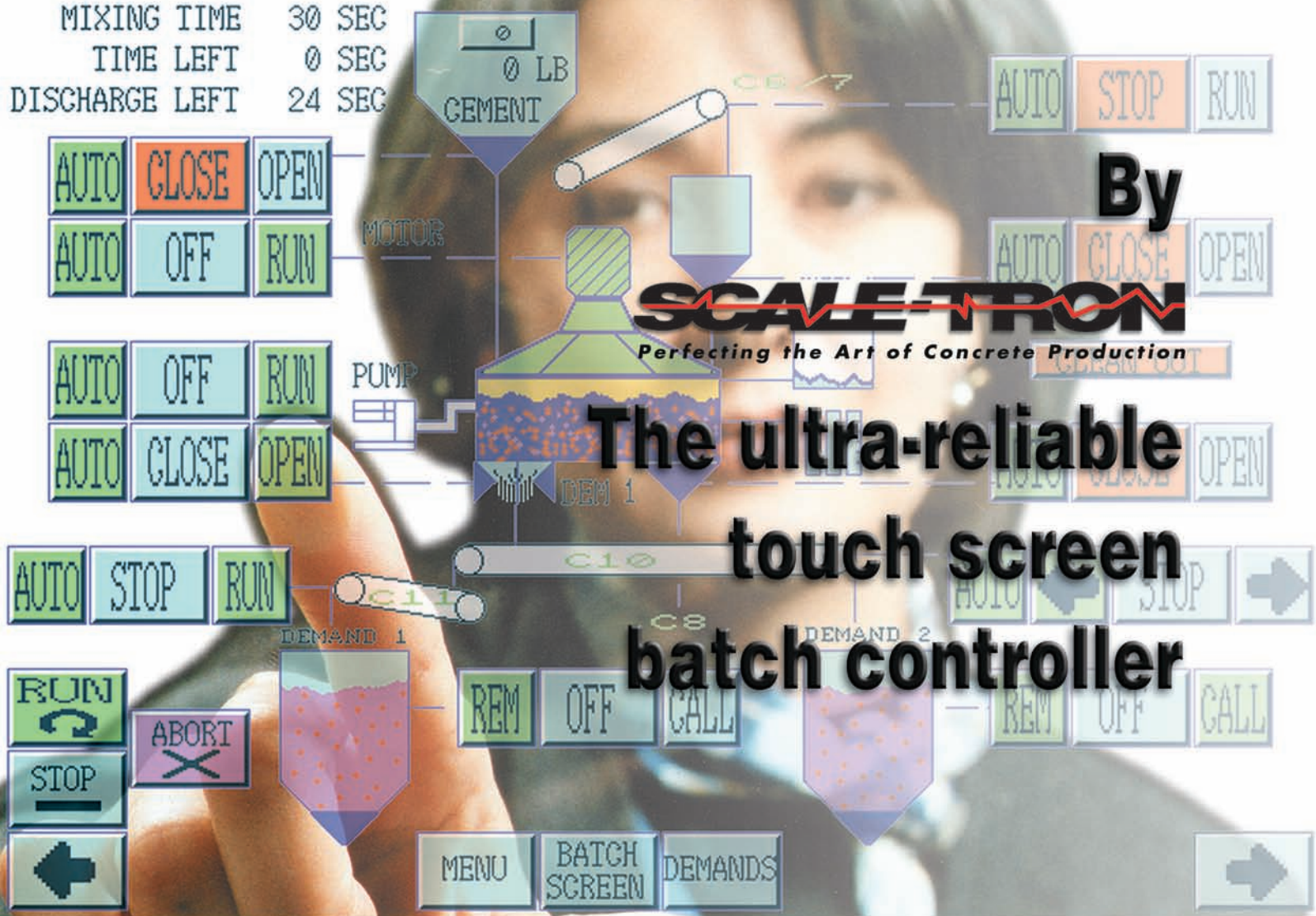


BatchTron

BATCH IN MIXER 236
MIXING TIME 30 SEC
TIME LEFT 0 SEC
DISCHARGE LEFT 24 SEC

MIXER 1



**With 35 years of experience,
who 'ya gonna call?**

Introducing BatchTron

Advanced technology that glides through your batching operations with the **touch of a finger**

Get best value out of your new plant by running it with the best controls. BatchTron is a step ahead of other control systems.

- o Eliminate expensive down time. BatchTron uses a PLC and touch screen to give you reliability that just isn't possible with computer-based systems. PLCs are designed for the industrial environment and are at home in concrete plants.
- o Eliminate batch weight errors and wasted product with automatic self-tuning that keeps your plant at peak trim all the time.
- o All the controls - all of them - are right on the screen, making broken switches and loose wires a thing of the past, and it can be upgraded on-line. So easy.
- o No scale indicators either. The scale displays are all on the touch screen, making it even more reliable, and they're all digital; no error between external weight indicators and the control system.
- o BatchTron doesn't use Windows software; it uses PLC software, which is different from PC computer software - It is guaranteed freeze-proof. Unless struck by lightning, your PLC will keep on running, no matter what.
- o Integrated controls include moisture and slump measurement as well as batch and inventory reporting, eliminating other controllers and giving better, more reliable results.
- o Optional dual screens allow two mixers or two parts of the process to be viewed and controlled at the same time. They also give you guaranteed backup if one should ever fail.



- o PLCs give you more flexibility to change things when it's necessary and update as your business grows. Add new controls and features with software upgrades; cheap, simple and done on-line.
- o No fans, no inlet for fine dust. Even the best filters let in the finest dust, which gets into the connectors and stalls the system. We know the problem. We don't let it happen.
- o No limit to the number of ingredients, scales, admixtures or mixers controlled by the system. We match the controller to the job.

Tailored to your operation

Do you have an automated batching system with a full time operator who runs it day in, day out? Many do, and they don't realize that they can save major dollars by setting things up differently. At Scale-Tron, the first thing we want to know is HOW you run your operation, and then WHY. This allows us to plan a method for ordering your concrete the way you want it, and delivering it to where you want it, when you want it. We work with you to plan a full automation system, including radio batch call, automatic delivery to many stations by belts, traveling hoppers or buckets - whatever suits your operation. It's the difference between a full service restaurant and a cafeteria. Your personnel can be doing useful work on the floor - not cooped up in front of a screen all day. **How much savings would this give in your operation?**



Touch and go

Load a formula, choose the batch size and press GO. It's that easy to make a batch. Everything else is automatic. Or touch a feed button to feed aggregates into the scale. Touch the discharge button to discharge the scale. Start or stop the mixer; on-screen buttons allow individual automatic or manual operation of every function, not just one AUTO/MAN switch that forces you to run manually when a fault occurs. This allows minor breakdowns like faulty limit switches to be bypassed without affecting the rest of the system and keeps you running automatically except for the one function that you bypassed.

The added power of the PC

BatchLink is software that you install on your PC computer and links to BatchTron. It stores all your batch reports, material usage and production totals as well as material deliveries, giving you instant control over many reports, including inventory.

BatchLink Order Entry allows Ready-Mix operators to store customers and orders, mix designs and delivery schedules.

BatchTron is a high-powered PLC based controller that makes life easy with an intuitive graphic touch screen interface. Applications include Precast, Prestressed, Block, Pavers, Ready-Mix, Architectural, Dams, Roadways, Mine Backfill, to mention just a few, across North America and worldwide.

The dispatcher can stack orders for the day, modify the production queue and monitor each batch on his remote batch display. Remote plants can be connected into a central dispatching center. Delivery tickets and many reports can be custom designed without need for external help.

Service and Training by Internet

If your PC connects to the Internet, on-site service is a thing of the past. Our personnel can hook into your system and diagnose problems around the world if necessary. Add a speakerphone and we can train your operators too. It's the next best thing to being there, and it costs almost nothing!

SCALE	TOL. %	MINIMUM
SCALE 1	2	50
SCALE 2	1	20
SCALE 3	1	10
WATER	1	5
ADMIX	1	2

Ingredient	T (Target)	A (Actual)	M (Mix)
Sand	990	983	3.5
1/2 Stone	600	156	1.0
3/4 Stone	400	0	1.0
Scale 1	0	0	0.0
Scale 2	0	0	0.0
Scale 3	0	0	0.0
Cement	500	502	
Fly Ash	70	27	

AGGREGATE SCALE: 1152 lb
CEMENT SCALE: 82 lb

FORMULA #: 23
BATCH SIZE 0.65 yd

TARGET 120
ACTUAL 120

MIXING TIME REM: 0 sec.
DISCHARGE TIME REM: 20 sec.

STOP RUNNING
GO ABORT ALL AUTO
Menu BUCKET IN PLACE

AGGREGATE MOISTURE (%) AND RADARTRON ENABLE

WATER AND ADJUSTURES CONTROL

WATERS: 1 (120), 2 (0000)
ADMIXTURES: AIR 1 (120), 2 (0000), REDUC 3 (16), RETRO 4 (20), PLAST 5 (0000), PLAST 6 (0000)

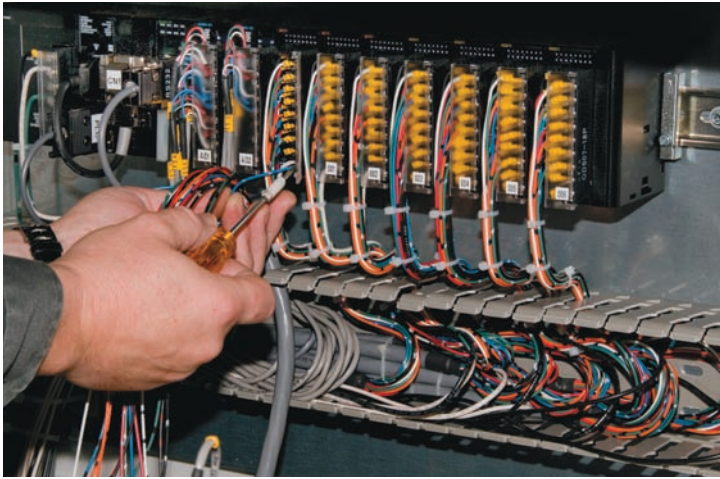
MIXER CONTROLS

Water formula target: 120
Less water in aggregates: 92
Water actual vol.: 93
10

Auto Water, Fast Water, Slow Water

Batch Screen

Page through over 20 screens using the ← and → keys. Enter values with the on-screen keyboard. Screen symbols act as push-buttons as well as indicators.



Hookup to Startup

Installation can be accomplished by any electrician familiar with industrial control systems. Connect to console models with multi-conductor flexible cable, to allow it to be moved for the best operator position, Teck or conduit for wall-mounted cabinets. We recommend our personnel be present during scale calibration and startup; this ensures that operator training is accomplished and any on-site changes are completed before we leave, to ensure your satisfaction.

Three models to suit your needs

- o BatchTron I, economical controller for simple plants – up to 6 aggregates, 3 cements, 6 admixes, 2 waters, 3 scales and 1 mixer. 200 formulas, monochrome touch screen.
- o BatchTron II, up to 18 ingredients, multiple scales, single mixer, 300 formulas. Colour touch screen.
- o Batchtron III, up to 32 ingredients, multiple scales, multiple mixers, unlimited formulas, 1 or 2 large size colour touch screens.

Warranty and support plans

Our standard warranty covers parts and support for the first year. Then choose from a basic support plan covering technical support plus unlimited training or total support plus parts. We offer more for your dollar. Check it out.

With 35 years of experience, who 'ya gonna call?



Choice in cabinets



BatchTron II Console

BatchTron III Console

BatchTron II & III Wall Mount



Optional equipment

From Demand Stations to Radio Batch Call, Moisture measurement, silo weight, Motor Control Centers, specialized software, we have it. Contact us for a full assessment of your needs at no obligation. If it involves batching, we can do it.

SCALE-TRON
Perfecting the Art of Concrete Production

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