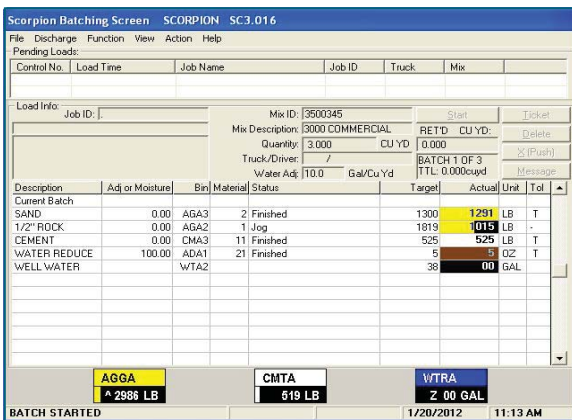


SCORPION BATCHING SYSTEMS

ACE-CO's Scorpion Batch Control System merges full-featured plant control with proven reliability, unsurpassed batching accuracy, and ease-of-use. The Scorpion is fully scalable for complete control of simple dry batch operations to large, high-speed, multi-mixer production facilities. Ready-Mix Dispatch and Truck Tracking can be added economically for a single or multi-plant operation. New plant and retro-fit applications include Ready-Mix, Precast Products and Pre-Stressed Plants.



Because of its intuitive design and ease of use, the Scorpion system provides information in a way that aids in efficient management of resources.



Modular panel may be configured for virtually any ready-mix or products plant application.

SCORPION BENEFITS

Greater Accuracy. Faster Batching. Better Mix Quality.

The Scorpion system features an extremely fast real-time processor that scans data inputs from the plant's scales and meters. This high-speed sampling rate, in conjunction with ACE-CO's precision algorithms, result in greater accuracy and better mix quality while delivering the speed necessary to provide maximum yards per hour from the plant. All batching control functionality is found on one screen. Asynchronous batching capability increases your plant's production providing more profitability each day. Even remote batching control is also available for those less often used satellite plants.

Longevity. Reliability.

ACE-CO controls production of all critical components, virtually eliminating system obsolescence. There is no need to rely upon third-party components or software modules with built-in end-of-life requiring expensive, mandatory system upgrades. Many of our clients tout that the Scorpion control is the most reliable system on the market. ACE-CO has a very loyal client base that continues to grow.

Advanced Moisture Probes.

The DeltaWave Moisture Control System provides greater accuracy through superior design. The system reads larger material samples and provides greater accuracy, because of their placement under the gate, allowing measurement of material that is actually going into the batch. The DeltaWave measures density, conductivity and temperature. In fact, the DeltaWave is the only system on the market that measures temperature as a key factor in determining the actual moisture in the material.

Immediate Assistance.

ACE-CO's team of highly trained support technicians provides immediate and knowledgeable service 24/7 for the life of the control system. Always available, always friendly, always helpful; they are without question the best customer support team in the industry!



YOUR SINGLE SOURCE SOLUTION

With over 50 years of experience, ACE-CO is a leading provider of batching controls, dispatch/truck tracking systems, moisture control, and material handling automation for the concrete industry. With ACE-CO's partnership with Libra Systems, the leading provider of automation and business integration software for the asphalt/aggregate industry, the two companies together provide customers with a single source solution for all of their concrete, asphalt, and aggregate ticketing facilities. Through this partnership, Libra/ACE-CO is now the second largest manufacturer of automation to the aggregate industry.

The **Job List** provides the dispatcher the progress and status of each job including when to start the next load, quantity of product ordered, quantity of product on the road to the job, and quantity of product delivered.

The **Truck Tracking** option displays the truck's hauling to each job, the current truck status, how long the truck has been in that status, as well as the number of minutes expected for the truck to reach the next status.

The screenshot shows a software window titled "Job List, Plant: TCP, Apple, Dothan, Joni, Ozark, rogers, test, TSTXML, Job Date: 2/5/1999 12:00 AM To 3/9/...". It displays a table of jobs and trucks. The "Trucks at Plant" section shows a list of trucks with columns for Job ID, Type, Status Code, Job Name, Job Street, Load Time, Mix ID, Prod ID, and Description. The "Returning Trucks" section shows a similar list. Below these are sections for "Job Trucks" and "Job Orders".

Job S	Job Id	Type	Status Code	Job Name	Job Street	Load Time	Mix ID	Prod ID	Description	Quan
1464	0000040102	HL	Wait Call	A, J CONI					Quan Complete	NONE
1474	0000040113		Setup	A, J FLIOM					Quan Complete	12mM
1481	0000040126		Go	ABC Con		30/2004 03:14 PM	2500	2500S4c	2500 PSI S1 50 m	
1490	0000040503		Go	ACECO	5355 DIET	30/2004 03:34 PM	444500	11785	4000F	4000 PSI F1 150 \
1499	0000040510		Wait Call	ACECO		30/2004 12:34 PM	A-310010	2500	2000S4c	2000 PSI S1 1000

The screenshot shows a software window titled "Job Orders". It displays a detailed form for job data, including fields for Job ID, Callus Name, Job Name, Job Street, Lot #, Job City, State, Job Contact, P. O., Contractor Id, Contract Nbr, SalesID, Sales Order, Credit Card, Terms, Start Time, End Time, Tax Exempt, Order Takeoff ID, and Plant ID. It also includes a table for job orders with columns for Job ID, Description, Quantity, Units, Unit Price, Tax Code, Quanted, Dispatch, Loaded, Delivered, and Price.

Job ID	Description	Quantity	Units	Unit Price	Tax Code	Quanted	Dispatch	Loaded	Delivered	Price
123	4 S F4 BGR	100	cu	\$2.95	1:30C	100	100	104	100	2

The **Job Order** form is a single screen that allows the order taker to enter or review all of the job data. The time en route to the job is monitored by the system and can be set to automatically update this data in the job record. The default load size can be set to meet job requirements. A maximum batch size can be set to split batch mixes that have large quantities of one material.

GAIN THE EDGE OVER YOUR COMPETITION

SCORPION FEATURES

- Asynchronous Batching
- Manual Backup / Override Controls (from manual panel or PC)
- Automatic Freefall Compensation
- Dynamic Moisture Compensation
- Automatic Zero Compensation
- Automation Bin Switching
- Dual Plant Control
- Central Mix Control
- Control for Products Plants
- Capability to Edit Files While Batching
- Set Point Auto Vibrate
- Two-Stage Cutoff
- Gate Jog Control
- Capability to Change Mix Designs on Batch Screen
- Capability to Receive Job Stack Information from an External Database
- Import/Export Data
- Slurry Water Routine
- Returned Concrete Routine
- Washout Water Routine
- Water Adjust (for Slump)
- Bin Inventories, Perpetual (On Hand)
- Ticket Template Setup
- Documentation Printer Option
- Manual Batch Recordation
- Real-Time Message Entry on Ticket
- Remote Control Capabilities
- Data Backup
- Native Metric Operation Option
- Meets State & Provincial Requirements
- Supports Direct-Feed Admixes

ACE-CO will configure your **Scorpion Batch Control System** with the specific control tools to match your plant's requirements and provide the training and support necessary to help you become more profitable through increased batching efficiency, greater accuracy and speed, and improved mix quality.

