







The Chameleon® system takes colored concrete to the next level. In the year 2000, Chameleon® was the world's first PC-operated automatic color metering system specifically engineered to satisfy the unique requirements of ready-mix operators. In the years since, the Chameleon® has taken on new features and functionality for precast, concrete masonry, concrete stone and other applications. Competitors have imitated the Chameleon's PC operation, but no other system on the market comes equipped with the features and capabilities that are built-in to each Chameleon®.




The weigh-tank assembly is fully enclosed to isolate scale from wind movement, constructed of steel and powder-coated for corrosion resistance. 45 gallon tank can hold enough color for a 12 cu. yd. load.




Hydrotint® liquids are formulated for high tint-strength, rapid mix-in, excellent shelf-life and freeze-thaw stability.



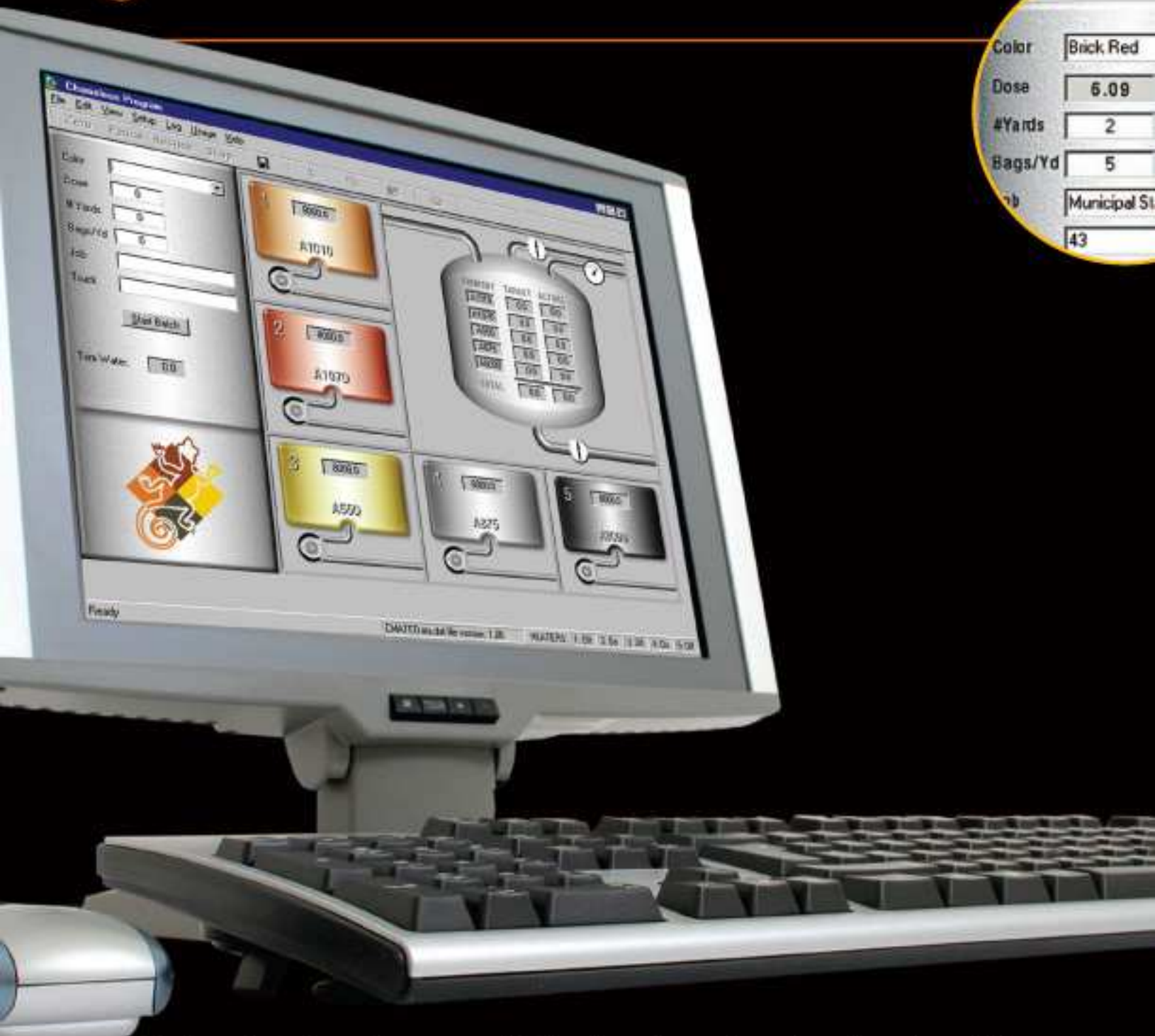
Chameleon® is the only system on the market that is pre-programmed to compensate for different base cement shades.



The Chameleon® liquid is shipped in 4000 Lb. one-way, disposable bulk bins and via returnable/re-useable slope-bottom totes in selected areas. A large inventory is on-hand to serve Chameleon® customers throughout the US and Canada.



High-slope gravity drain bulk color storage tanks in square 449 and round 525 gallon sizes are made of UV-resistant polyethylene and come equipped with automatic stirrers.



Color	Brick Red
Dose	6.09
#Yards	2
Bags/Yd	5
Job	Municipal St
	43

The Chameleon® color weighing pumps and PC-based controls are engineered to work together and deliver capabilities like no other system. The computing power of a Windows®-based PC makes the Chameleon® far more user-friendly, accurate and "built for the future" than PLC-based systems. The Chameleon® can store an unlimited number of recipes, formulate custom recipes, print or export reports and keep track of color inventory and batch histories. Color weighing speed can be set on-screen for each metering pump independently with both full and slow speed set points. The PC's infinitely variable pump speed control gradually reduces pump speed until target weight is reached for fast filling combined with precise weighing accuracy.

Developed by Davis Colors, a brand of Rockwood Pigments, the Chameleon® system broke the mold by combining innovative liquid color metering technology with the computing power of a standard PC and the versatility of the Windows® operating system.

Optimized to work in combination with our Hydrotint® liquid pigments, the Chameleon® is the most efficient, accurate and easy-to-use system available for weighing, blending and conveying colors into batch-type concrete mixing operations.



Operator selects colors by name from a "pull-down" menu. No confusing code numbers or recipe tables to look up reduces errors and makes operation simple to understand.

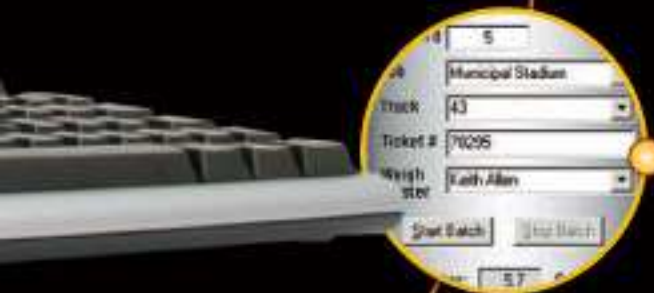


On-screen inventory monitoring keeps accurate track of color storage level. User-definable low inventory points can be set to alert operator when tank needs refilling.

A circular inset showing a table with three columns: WEIGHT, TARGET, and ACTUAL. The table lists several items with their respective weights and target values.

WEIGHT	TARGET	ACTUAL
A1010	40.2	0.0
A1070	18.9	0.0
A095	0.0	0.0
A805	2.5	0.0
A090	0.0	0.0
Water	0.0	0.0
TOTAL		0.0

Screen displays both target and actual weight and updates instantaneously. Voice prompts alert operator when batch is ready to discharge.



Extra data fields so you can keep track of specific jobs or projects or trace projects to mix tickets or trucks. The water added by the Chameleon®, including rinse water and water contained in color is displayed before the batch, so concrete mix water can be "trimmed" or held back.

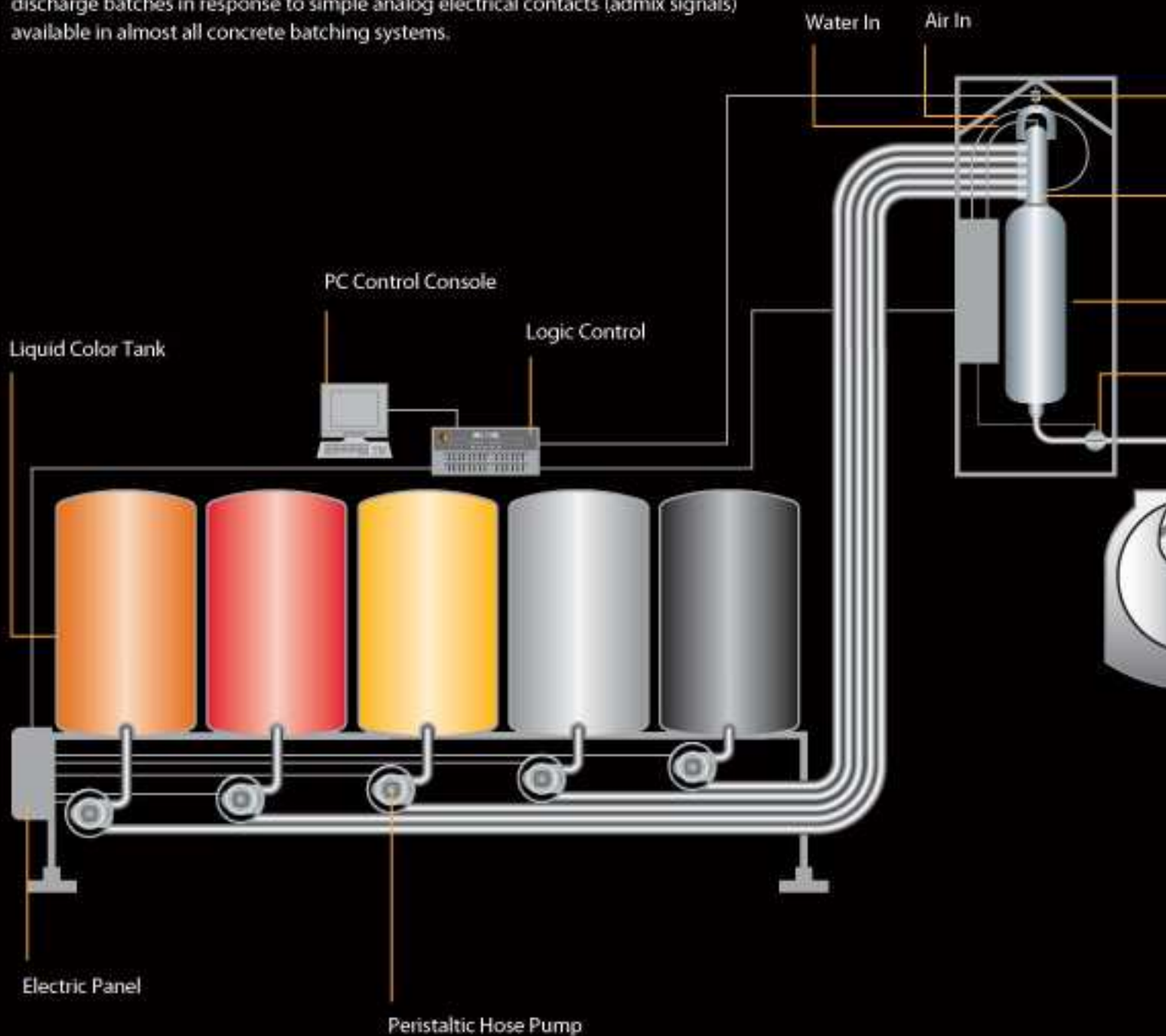


Mix, match and preview custom colors on-screen using the Concrete Palette™, then watch as the Chameleon® converts your choice into a recipe ready for a concrete test batch. No other system in the world can do this.



This is One Smart Lizard

With a software upgrade and network connection, Chameleon® now has the capability to communicate with and automatically batch in response to commands from concrete batching systems. In addition to automatic batching via network connection, the Chameleon® can also be configured to automatically start and discharge batches in response to simple analog electrical contacts (admix signals) available in almost all concrete batching systems.



And, because the Chameleon® system is fully modular, it is easy to install, easy to customize and can grow to match your changing requirements. What's more? Since we designed the machine and make the color, you get a system with the support and service you expect from the people who have more automatic color systems in operation worldwide and in the U.S. than any other manufacturer.



Peristaltic Hose Pumps with infinitely-variable digital speed control are accurate, require minimal maintenance and are capable of pumping considerable heights and long distances.

Load Cell

Manifold



The multi-input liquid manifold design was invented by Davis. Stainless steel construction and its own water wash means no maintenance and no color cross-contamination. Both the manifold and tank are rinsed and discharged into the mixer so a different color can be selected for every batch.

Pressure Vessel

Discharge Valve



Pump motor control and electric relays and switches are UL-listed and solid-state for reliability and long-term operation. No moving parts to wear out or replace. More expensive circuit-breakers are used instead of fuses; Even power interruptions aren't much of an interruption.



Mixer/Truck



The Chameleon® scale and logic control unit has complete manual override switches and equipment status indicators. Connects to PC via RS232 serial port.



The Chameleon® "brain" is really two 16-bit programmable logic controllers that have been "hard-coded" specifically for color batching operations. The program is stored even if power goes out.



Chameleon[®] EXPRESS



The Chameleon® Express takes point-of-purchase concrete and mortar color batching out of the jungle. Using just four primary liquid colors, the Chameleon® Express can make thousands of color shades and is as easy-to-use as an ATM or TV remote control. The Chameleon® Express works just like an in-store paint tinting machine, but it's designed for concrete and mortar colors.



- The Chameleon® Express is engineered to work exclusively with Hydrotint® liquid colors made by Davis Colors.
- The Chameleon® Express has been configured specifically for 'point-of-purchase' or 'point-of-use' liquid dispensing into wide-mouth buckets.
- The Chameleon® Express utilizes simple graphic controls and a full-color 15" touch-screen monitor.
- The Chameleon® Express has recipes that come pre-loaded and are permanently stored in the computer brain.
- The Chameleon® Express installations can be configured with large bulk tank storage or smaller footprint systems that draw directly out of 600 Lb. shipping drums.

Features:

- Computer-controlled operation
- Easy-to-read, easy-to-use, easy-to-understand graphic controls
- All colors for the recipe are weighed simultaneously for quick-filling
- Batch History and Daily Reports
- NEMA 4 components
- True weight verification for total bucket AND individual color components

Optional Equipment Included:

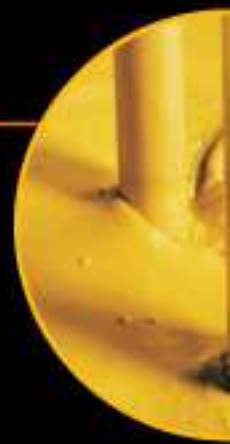
- Full color 15" touch-screen
- Label printer
- High-speed, high-capacity pumps

Available Liquid Color Packaging:

- 35 Gallon fiberdrums (600 Lbs)
- 275 Gallon disposable totes (4000 Lbs)

Various on-site storage and handling options available.
Features may vary.

Hydrotint®



COLOR YOU CAN RELY ON - Hydrotint® liquid and the Chameleon® system are both manufactured by Davis Colors, the leading pigment supplier to the concrete industry. Because we make the machine and the color, you can count on the Chameleon® to get the job done. With system installation and start-up assistance, color formulations to match your product standards or custom color requirements, and ongoing technical and marketing support, nobody knows concrete colors better than Davis Colors. Contact us for complete product specifications and to discuss whether a liquid-based, granulated or dry powder pigment system best suits your production requirements.

All Chameleons thrive on Hydrotint® liquid — formulated, manufactured and fortified with high-solids color to keep your Chameleon® humming. In addition to powder and granular color pigments, Davis has been making liquids since 1960. Hydrotint® liquid colors are high-strength, concentrated water-based pigment dispersions especially formulated for plant-produced, integrally colored concrete products, precast and ready-mix operations.



High-speed dispersing process ensures full color development and quick dispersion into the concrete mix.



Available in 600 pound fiber drums, re-useable 4000 pound slope-bottom bins or 4000 pound disposable corrugated bins.



Hydrotint® liquid is available in five base colors plus custom single-color blends to match the Davis Color Selector.



Formulated for Concrete - Hydrotint® liquid colors are high-solids suspensions of synthetic iron oxide pigments, special dispersants and stabilizers in water. (A8090 is a high-strength form of liquid carbon black.) High pigment solids content minimizes water component and assures compatibility with typical water-cement ratios.

A Shade for all uses - Four primary colors are standard: Black, Yellow, Light Red and Medium Red. These four are combined in the Chameleon® to make a vast spectrum of concrete colors. Hydrotint® pre-blended colors are available in shades that match the Davis Color Selector for large single-color projects or to increase metering accuracy in low-dose applications.

Ready to Flow - Hydrotint® colors have been carefully formulated for high pigment content and improved flowability vs. competitive products to provide accurate metering and faster production.

Stable in Storage - Advanced formulation allows up to a two year shelf life without hard settlement. Normal agitation before use is all that's needed.

Consistent Color - Color tolerance is kept within +/- 0.7%. Pigment particles are milled to optimum size and are high-shear dispersed to assure rapid dispersion into the concrete mix and full color development. Rigorous quality controls assure uniformity from batch-to-batch and year-to-year.



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