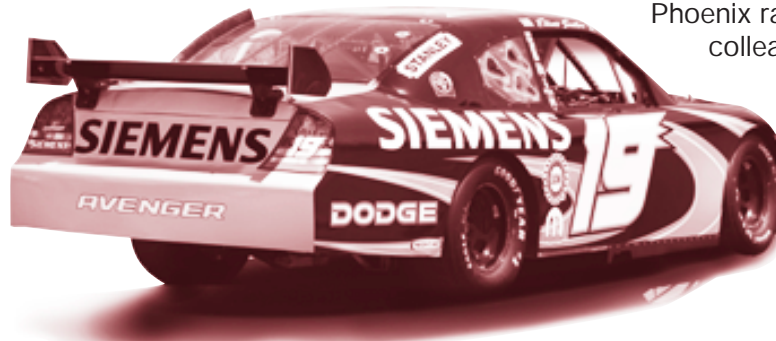




## Siemens to Sponsor Car in NASCAR Race

Siemens recently announced that they will be the primary sponsor of the No. 19 Dodge Avenger driven by Elliott Sadler in a NASCAR Nextel Cup Series race. This event, scheduled for November 11, 2007 at Phoenix International Raceway, will be the second-to-last race of the year in the "Chase for the Nextel Cup." As part of their association with Evernham Motorsports, Siemens currently serves as an associate sponsor of the No. 19 Dodge, as well as the No. 9 Dodge



driven by Kasey Kahne. Siemens also plays a vital role in technology development through their partnership with Evernham Motorsports. Asked about his company's involvement in motorsports, Dale Wilson, Vice President, Sales SE&A, said, "We are very excited about having a Siemens car run in the Phoenix race in November. Our colleagues at Evernham Motorsports are partners in every sense, and we are proud to be associated with them."

## Application Solution

### Baumer's SONUS Ultrasonic Sensors

A recent customer was an OEM of packaging machines for the pharmaceutical industry. One of their products was designed to fill small containers with a clear liquid that must be detected prior to package sealing on the production line. This application required sensors that could fit in a small space and operate in close proximity to each other and to the target.

The SONUS Ultrasonic Sensors from Baumer proved to be the ideal choice for this application. This new sensor family represents the successful integration of ultrasonic technology into miniature housings, therefore opening up new areas of



Story continued on page 4...

## Chromalox<sup>®</sup> PRECISION HEAT AND CONTROL

### is Going Green!

The Chromalox catalog remains the familiar bright red, but Chromalox has the expertise and products to support today's green industries. And what is greener than BioFuel? With today's sustained high oil prices, manufacturing and using ethanol and biodiesel has become a viable alternative.



Ethanol is primarily derived from corn

Ethanol is primarily derived from corn, although other organics such as sugar cane, wheat, wood chips and even manure powder can be used. The process involves liquification, fermentation and

Story continued on page 2...

# Chromalox is Going Green

*(continued from page 1)*

distillation of alcohol from the original organics. Mash slurry and syrup tanks require heating for proper chemical reactions and pumping viscosities. Water is used extensively in the process, and that water has to keep flowing, regardless of the weather. Chromalox produces electric tank heating and pipe tracing products specifically designed to meet these industry requirements, including agency approvals for hazardous areas.

Through a process called transesterification, biodiesel is manufactured primarily from soy beans, although any one of a number of other feed stocks such as yellow grease, palm oil and canola can be used. Chromalox offers large tank heaters to keep these materials at the proper temperature for introduction into the transesterification reactors.

Even wind turbines need Chromalox electric heaters. Circulation heaters warm hydraulic fluid used in the generation system, while flexible heaters are used for freeze protection in turbine blades and loadbanks provide load management. Chromalox even supplies the controls needed for precise curing of the resins in the turbine blades themselves.

Whether your process is an old standby or the newest green technology, Dittman & Greer and Chromalox have application engineers who understand your requirements. Let Dittman & Greer make the best heating recommendations from the red catalog for your green project.

## ***Dittman & Greer Offers "Xpress" Delivery of Rittal Enclosures***

As a leading manufacturer of innovative Industrial Enclosures, Rittal is committed to supplying these products in the shortest time possible. Contact Dittman & Greer to take advantage of Rittal's Xpress Program. You will receive your TS8 Modular Enclosure System in a matter of days!



## ***Siemens NGG and NEG/HEG Circuit Breakers Offer Many Benefits at a Low Cost***

Among the newest additions to the broad Siemens product line are their NGG and NEG/HEG 125 Amp Molded Case Circuit Breakers. The small footprint of both of these breakers saves valuable panel space, and they meet global standards, making them a common component for most applications.

The NGG Circuit Breaker is rated up to 25kA at 480 VAC and uses the same accessories as the Siemens CQD frame. The NEG/HEG, with an interrupting rating of 65kA, offers a large variety of internal and external accessories, including a plug-in mounting base and DIN rail adapter. For safety, it has touch-safe accessory pockets located behind the front cover. Accessories for both breakers are UL listed and can be mounted in the field. Please contact Dittman & Greer for complete specifications or answers to any application questions you may have on these Siemens devices.

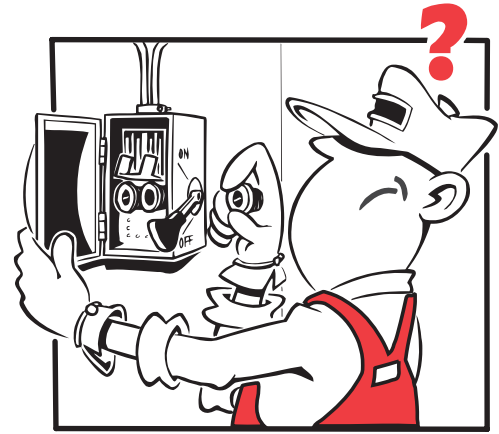


***New Product!***

## Chromalox Panel Packages are the Quick and Economical Solution for Precise Temperature Control

Chromalox complete control panels include everything you need to control electric heaters, all pre-engineered, pre-wired and packaged. There is no need to go to the trouble of gathering and combining a temperature controller, an SCR or contactor, a disconnect means and an enclosure – Chromalox does it for you, at a lower total cost.

Available in every size, 12 Amp to 12000 Amps, 120 volt to 600 volt, Chromalox panel packages are ideal for indoor, outdoor and explosion-proof applications. Whether you require basic control or sophisticated options like time control, digital communications or ground fault interruption, Chromalox can provide a control panel for less than you can do it yourself!



Chromalox 4268 Mini-SCR  
Power Control Panel

Here's just one example:

### *Do It Yourself*

|  |               |
|--|---------------|
| Temperature controller . . . . .                         | \$225         |
| Hi limit control . . . . .                               | \$220         |
| Enclosure . . . . .                                      | \$281         |
| Disconnect . . . . .                                     | \$148         |
| Control transformer . . . . .                            | \$78          |
| Primary and secondary fusing . . . . .                   | \$30          |
| Contactor . . . . .                                      | \$145         |
| Wire, connectors, terminal blocks, labels, misc. . . . . | \$95          |
| <b>Parts Total:</b> . . . . .                            | <b>\$1222</b> |

|   |       |
|---|-------|
| Design time and drawings (3 hours @ \$100/hr) . . . . . | \$300 |
| Labor and overhead (4 hours @ \$75/hr) . . . . .        | \$300 |

**Grand Total:** . . . . . **\$1822**

### *Chromalox Panel Package*

(P/N 4468-30111)

One Chromalox package ready to go . . . . . **\$1325**

# SICK's New Ranger 3D Camera is the Fastest on the Market

SICK has just introduced the Ranger 3D Machine Vision Camera, which the company is calling "the ultimate camera for the most advanced needs." The Ranger can provide up to 35,000 profiles per second, with very precise measurements down to <math><10\ \mu\text{m}</math>.

This very flexible camera has interchangeable optics and can be combined with light sources in setups optimized for each specific application. Ideal applications for the Ranger vary from small electronic component inspection to large-scale log inspection.

Even greater integration flexibility is offered with SICK's multiple interface options, including CameraLink™ and Orgabit Ethernet. Furthermore, their innovative MultiScan technology allows the Ranger to simultaneously

perform multiple types of inspections such as high-speed 3D, high-resolution grayscale and a patented inspection called "scatter." Significant savings of time and money can thus be realized.



With its unsurpassed 3D measurement speed, high flexibility and MultiScan functionality, we believe SICK's Ranger 3D Camera to be the vision component of choice for in-line inspection machines used in industries ranging from electronics, semiconductors and robot vision to wood, plastic, rubber and food. We are your source for complete information on this and all the other SICK solutions for machine vision, and we can assist you with your most demanding applications for these products.

## Baumer's SONUS Ultrasonic Sensors

*(continued from page 1)*

application requiring height or level measurement or distance detection. They are the smallest (10 x 14 x 27mm) and lightest (4 grams) all-in-one devices available.

The narrow sonic cone profile of the SONUS Sensors prevents them from influencing one another. In applications where there is still a risk of mutual interference, it can be further reduced through the use of appropriate Baumer options or accessories. With the SONUS line, it is actually possible to set up rows of ultrasonic sensors, housing-to-housing.

Baumer's SONUS Sensors provide detection of objects regardless of surface structure, color, reflection or transparency. The capability of these ultrasonic units to detect transparent materials was essential in the application described earlier. This customer also appreciated how easy it is to install

these sensors, which are "plug and go" with SONUS mounting accessories.

Key characteristics of the SONUS Ultrasonic Sensors include:

- high resolution
- analog or discrete output
- NO/NC teachable
- teach-in with lockout feature
- high repeatability
- self-contained

SONUS Ultrasonic Sensors have applications in a wide range of industries, including handling, packaging, robotics, lab instrument construction, filling equipment and semiconductors. We at Dittman & Greer would be pleased to discuss their advantages for the specific conditions of your application.

**DITTMAN**



**&**

**GREER, INC.**

*The Right People –  
The Right Products*



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