

FOR IMMEDIATE RELEASE

## **Despatch Industries and Delta V Instruments Partner on Solution for Power and Temperature Cycling**

*Will Help Automotive Electronics Makers  
Simulate Worst-Case Conditions, Improve Quality*

**SAN JOSE, Calif., 12 July 2004** — Despatch Industries and Delta V Instruments jointly announced the availability of the Power Temp Cycling Tool, a solution for electronic device qualification. Despatch introduced the product at Semicon West 2004, the annual semiconductor design and manufacturing conference.

The Power Temp Cycling Tool is the latest product developed jointly by Despatch and Delta V and helps manufacturers of electronic devices for the automotive industry simulate worst-case conditions to make their products more reliable.

“Auto manufacturers used to be satisfied with 50 failures per million,” said Hans Melgaard, vice president of research and development for Despatch. “With increased consumer expectations and process improvements like 6 Sigma, they now require fewer than 5 failures per million. That in turn pushes their component manufacturers to provide more reliable devices.”

Manufacturers use the power and temperature cycling test to determine the ability of a component or product to withstand high and low temperature extremes, a process known as device qualification. The Power Temp Cycling Tool is ideally suited to a qualification environment. The unit has two chambers that can be configured as a single stimulus zone or split to accommodate two separate test groups. The unique adjustable rack design adapts to all standard board formats and can handle up to 36 boards per chamber. The temperature-controlled driver cabinet provides a stable operating environment for the test electronics.

“Our customers were looking for two things from the latest evolution in power and temperature cycling,” said Melgaard. “They wanted better temperature uniformity and a smaller package. Temperature uniformity is an emphasis for all the products we’re showing at Semicon this year. And the small footprint of the new Power Temp Cycling Tool allows for much easier placement in a lab environment.”

The Power Temp Cycling Tool has a temperature range of -55°C to +170°C. It can ramp up from -40°C to +125°C within 30 minutes, and cool from +125°C to -40°C within 30 minutes.

## **Partnership between industry leaders a natural fit**

The partnership of Despatch Industries and Delta V brings together two long-time leaders in the semiconductor industry. Despatch has been an innovator in thermal processing for more than 100 years and offers products for front- and back-end assembly applications like wafer annealing, curing, bonding and burn-in. Delta V was formed in 1978 to develop customized test hardware for Texas Instruments and Motorola. Today the company manufactures test equipment for qualification and production burn-in applications as well as wafer level burn-in and RF burn-in applications.

“The Power Temp Cycling Tool is the result of great teamwork between two industry leaders,” said Patrick Peyton, Despatch chairman and CEO. “We are excited to work with a partner of Delta V’s caliber on such an important project.”

“Despatch is a natural partner for developing a product like the Power Temp Cycling Tool,” said Jim Crossland, Delta V president and co-founder. “We look forward to creating more product innovations together.”

### **About Despatch Industries**

Headquartered in Minneapolis, Minn., Despatch Industries is a leading worldwide provider of thermal processing and environmental simulation and test solutions. Founded in 1902, closely held Despatch is a technology-driven company committed to satisfying customer needs through innovative research and development. Through its two primary brands, Despatch and Ransco, the company serves customers in a number of industries, including semiconductors, electronic components, pharmaceuticals, aerospace, automotive and industrial materials.

Visit [www.despatch.com](http://www.despatch.com) and [www.ransco.com](http://www.ransco.com) for more information.

### **About Delta V Instruments**

Delta V Instruments offers advanced reliability test products and services to microelectronics manufacturers. It designs and manufactures test equipment for qualification and production burn-in applications as well as wafer level burn-in and RF burn-in applications, and has extensive proficiency in device-sensitive data acquisition and characterization. It also offers comprehensive burn-in services for customers looking to outsource their testing needs. The company is headquartered in Richardson, Tex.

Visit [www.delta-v.com](http://www.delta-v.com) for more information.

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