

## Press Release

### **DCG Systems and Thermosensorik GmbH collaborate to provide most sensitive Lock-in Thermography systems for Semiconductors and Solar cells**

FREMONT, CA. (Marketwire – October 05, 2009) -- DCG Systems, Inc. today announced an exclusive agreement with Thermosensorik GmbH to develop and market a line of thermal products based upon its Focal Plane Array (FPA) infrared cameras. Thermosensorik cameras are employed in a wide variety of applications related to subsurface defect detection. The joint DCG Thermosensorik products are optimized for defect detection in semiconductor devices as well as in crystal-line and thin film solar cells.

Besides marketing Thermosensorik's products ThermoSpector FA and ThermoSpector PV as stand-alone systems DCG will incorporate Thermosensorik technology into its new Enhanced Lock-in Thermal Emission (ELITE) product. The ELITE utilizes Lock-in Thermography (LIT) to locate line shorts, ESD defects, oxide damage, defective transistors and diodes and device latchups without requiring special light shielding boxes. Lock-in allows defects to be spatially resolved to a narrow area, and LIT data can then be accumulated for as long as necessary in order to resolve thermal emission sites down to the 1 micro-W range.

An important new application for this technology is the examination and location of buried defects within stacked-die packages. With both wire-bonded or Through Silicon Via (TSV) technology, it is critical to have the capability to discern a defect location in three dimensions in order to accurately know which die is affected. The ELITE's and ThermoSpector's effectively "unlimited" acquisition time allows thorough examination of the die stack.

"We evaluated many camera suppliers and found that the Thermosensorik technology was superior to all others," said Dr. Israel Niv, President and CEO of DCG Systems, Inc. "We are very pleased to be working with Thermosensorik and we are proud to start our collaboration with this fine partner in order to provide the semiconductor industry with the most sensitive thermal system in the market. Thermosensorik technology superiority is a great fit with the technology superiority of all other DCG products"

"Our strong customer base in Germany with more than 60 thermal imaging systems utilizing our unique real-time LIT technology motivated us to go for international markets," said Thomas Hierl Managing Director and Founder of Thermosensorik. "In DCG we found the perfect combination of outstanding technical skills and international sales power. We are convinced that this partnership will give Thermosensorik access to the global semiconductor and photovoltaic industry."

#### About DCG Systems

DCG Systems, Inc., a privately held company headquartered in Fremont, California, is the leading provider of semiconductor debug and characterization solutions for the global semiconductor industry. With a commitment to applying innovative technology to improve time to yield and time to market, DCG Systems delivers competitive cost and performance advantages to integrated device manufacturers (IDMs), wafer foundries and fabless chip companies worldwide. DCG Systems is comprised of the former Schlumberger/NPTest Probe Systems division, Optonics Inc. and Hypervision Inc., with an installed base of over 700 systems worldwide. For more information on DCG Systems, please visit <http://www.dcgsystems.com>.

#### About Thermosensorik GmbH

Thermosensorik GmbH, a privately held company headquartered in Erlangen, Germany, is the leading provider of heat flow thermography solutions for automobile, gas turbine, semiconductor and solar energy industry. As a pioneer of imaging heat flow analysis, Thermosensorik made decisive contributions to the development of this new technology for non-destructive material, component and device testing. Today, the product range encompasses high-resolution infrared system cameras (including those with the highest image frame rate), manual testing systems for the laboratory and fully automatic, production-integrated testing systems. An installed base of over 200 systems (mainly in Germany) prove day by day the efficiency of Thermosensorik's products. For more information on Thermosensorik, please visit <http://www.thermosensorik.de>.