



## **TIGER OPTICS GREETES HIGH BRIGHTNESS LEDs WITH ALOHA™ NEW GAS ANALYZER TO BE UNVEILED AT SEMICON WEST 2010**

---

**Warrington, PA (July 6, 2010)** – Tiger Optics LLC, keeping pace with explosive growth in the High Brightness Light-Emitting Diode market, today announced plans to introduce ALOHA™, the world's first ammonia analyzer designed and manufactured exclusively for HB LED-related applications, at the Semicon West trade show in San Francisco.

Tiger, a leading manufacturer of laser-based trace gas analyzers renowned for clean technology, already sells devices to HB-LED makers, tool manufacturers and the gas companies that supply ammonia, the favored source of nitrogen for the production of Gallium nitride (GaN) compound semiconductor wafers, a core component of HB LEDs.

“Since 2004, we’ve sold almost 100 units in ammonia service around the world,” said Lisa Bergson, Tiger Optics’ founder and chief executive. “We offer the most exacting and proven specifications in the field. With the surge in demand for HB LEDs, we realized that we could help our customers by designing an instrument tailored to their specific needs. We know that the purer the gas, the brighter the LEDs, and the bigger the margins for LED makers.”

High-brightness LEDs offer brighter, cooler light, with lower power consumption and longer life than traditional fluorescent lamps. Unlike fluorescents, HB LEDs use no mercury. Widely used in mobile appliances, such as cell phones, cameras, and the Apple iPad, HB LEDs are quickly gaining favor in larger devices. Demand is surging for HB LEDs to “backlight” the Liquid Crystal Display (LCD) units of TV screens and computer monitors.

Indeed, “backlight” applications are projected to account for 56 percent of the HB-LED market this year, according to Robert Steele, Director of the Optoelectronics Program with Strategies Unlimited, the market research firm in Mountain View, CA that produces the “Strategies in Light” annual HB-LED conference. Steele, writing for LEDs Magazine in March, projected worldwide HB-LED sales of \$8.2 billion this year, up 52 percent from 2009.

With its first-quarter sales, Tiger Optics surpassed its own goals for HB LEDs by 250 per cent and validated the bullish outlook of industry seers. Spurred by such customer demand, Tiger has developed the ALOHA analyzer, to deliver the compact footprint, sensitivity, robustness, low cost of maintenance, speed of response, and uninterrupted throughput that the HB-LED market demands and deserves.

The new product will be on display at the Tiger Optics booth (No. 1431) in the South Hall of the Moscone Center in San Francisco from July 13 through July 15.

### **About Tiger Optics**

Tiger Optics, LLC makes powerful, laser-based gas analyzers that feature and foster clean technology. The company’s instruments help manufacturers achieve faster throughput, with less waste. Nearly 700 robust Tiger units are at work in such demanding environments as semiconductor fabrication plants, gas manufacturers, chemical companies, and the metrology institutes of 13 nations. For additional information, visit [www.tigeroptics.com](http://www.tigeroptics.com).

###

### **CONTACT:**

Lynn Horak

Tiger Optics, LLC

(215) 343-6600, extension 129

[lhorak@tigeroptics.com](mailto:lhorak@tigeroptics.com)