The Materials Metrology™ Company

Press Release

# ReVera Continues Metrology System Penetration in Memory Markets

## Multiple tools shipped to Powerchip and Rexchip for advanced DRAM applications

**Sunnyvale, Calif., August 14, 2008** – ReVera Incorporated, the materials metrology company, today announced that it has further expanded its position in the memory market with multiple metrology systems shipped to Powerchip Semiconductor Corporation and its joint venture Rexchip Electronics Corporation. The Taiwan based companies will utilize ReVera's tools in technology transfer and volume production of high density, high performance DRAM. These purchases are a direct result of the proven performance and demonstrated advantages of a ReVera materials metrology tool at a Powerchip joint venture technology partner in Japan.

"Our engagement with ReVera at our DRAM joint venture clearly demonstrated the value of their materials metrology tools in process development and control," stated a Powerchip representative. "We have found that the requirements of our most advanced processes are often outside of the process ranges of our traditional metrology equipment. ReVera's system addresses these gaps in high volume production applications by providing direct measurement of critical parameters with a high degree of sensitivity."

"ReVera's tools enable the smooth, rapid process transfer from our technology partner, which is critical to our ability to meet the tight market windows for our advanced memory devices," noted Y.L. Lin, Diffusion Department Head at Rexchip. "The tool is also vital to our compositional process control in production, providing comprehensive results that allow us to rapidly identify excursions and take direct action to address them."

"The successful deployment of our materials metrology technology at Powerchip and Rexchip further demonstrates the value of our systems in enabling advanced development and rapid transition into high volume manufacturing," commented ReVera CEO Dave Ring. "As our customers in the memory market continue their transition to new materials and more complex processes, ReVera's XPS-based metrology systems are increasingly seen as a requisite technology in the development and the volume production of their most advanced devices."

**About Powerchip Semiconductor Corporation**

Powerchip Semiconductor Corporation (PSC) was established in the Hsinchu Science Park in December 1994. PSC's major scope of business includes the manufacturing of memory products and foundry services. In 1998, PSC listed on the Taiwan GreTai Securities Market and in 1999 PSC offered its first GDR, becoming the first public company in Taiwan to list on the Luxembourg Stock Exchange. At the end of 2006, PSC had a total of 6,300 employees, a paid in capital of 69.1 billion NTD, and annual revenues for calendar year 2006 of 92.1 billion NTD.

**About Rexchip Electronics Corporation**

Rexchip Electronics Corporation was established on November 10, 2006, as a 12" DRAM manufacturing joint venture

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between Taiwan's Powerchip Semiconductor Corporation (PSC) and Japan's Elpida Memory, Inc. Both PSC and Elpida will be providing several key management positions in order to support operations. Rexchip, combining Elpida's advanced R&D strength together with Taiwan's manufacturing efficiency will specialize in the production of high density/high performance DRAM (Dynamic Random Access Memory).

**About ReVera Incorporated**

ReVera Incorporated is a leading provider of materials metrology solutions for advanced semiconductor processing. Its products allow device manufacturers to measure, monitor and control critical materials properties, enabling them to rapidly integrate and manage the new materials required for 65 nm, 45 nm and beyond. ReVera systems are proven in production in a broad range of applications, and are backed by a global network of applications, field service, sales and logistics personnel. ReVera was established in 2004 as a management-led spin-out from Physical Electronics and its wholly owned subsidiary, Charles Evans and Associates.