

Oerlikon Solar: CMC Magnetics places 180 MW repeat order

## Thin Film PV Production Reaching a New High

**San Francisco INTERSOLAR N.A., 14 July 2008 – *Sunwell, a wholly owned subsidiary of CMC Magnetics, today announced that it has ordered another two end-to-end thin film silicon production lines from Oerlikon Solar. One 60 MW line will be delivered to the existing Sunwell production facility in Taiwan and the other 120 MW line will be shipped to a new site currently under construction. Both lines comprise Oerlikon Solar's latest tandem cell technology, micromorph<sup>®</sup> raising module efficiency by up to 50 percent. Start of production is scheduled in 2009. "This repeat order validates our leading edge technology and our unique ability to quickly implement and scale up commercially successful mass production", explains Dr. Uwe Krüger, CEO of Oerlikon.***

Since the original contract for their first amorphous line was signed in mid 2007, CMC has continued its ambitious plans to rapidly expand production capacity. Oerlikon Solar worked closely with CMC to develop a strategy to quickly upgrade to micromorph<sup>®</sup> and increase the output of the customer's existing facility. This resulted in a repeat order after only a few months.

### **With this order, yearly production capacity will reach 226 MW**

The addition of 180 MW of micromorph<sup>®</sup> technology to its existing 46 MW of capacity will help to establish CMC as one of the largest thin film manufacturers in the world. However, CMC will not stop there. It already has plans to double this capacity in the near future.

"To execute our rapid growth plans it was crucial to identify the most competitive and responsive thin film PV equipment supplier. Oerlikon Solar is the right company to deliver on our demanding plans", states Bob Wong, Chairman of CMC Magnetics.



Page 2 **Gigawatt capacity is in sight**

It is CMC's goal to reach an annual production output of one gigawatt as the demand for thin film solar panels continues its unprecedented growth. Oerlikon Solar is committed to its important role as a proven and competitive technology partner in the realization of CMC's plans. "With this order CMC signals a long term strategy to continue with Oerlikon's leading proprietary micromorph<sup>®</sup> tandem cell technology. This sets the stage for an aggressive roadmap to increase efficiency allowing them to head towards grid parity in the near future", says Jeannine Sargent, CEO of Oerlikon Solar.

**Oerlikon Solar is addressing the surge in demand**

Oerlikon Solar's leading edge production solutions are now having a major impact on the market as more and more companies launch or extend their thin film silicon PV production with Oerlikon's patented micromorph<sup>®</sup> technology. Oerlikon Solar is committed to the highest quality of customer support and is taking concrete actions today to ensure that its resources and delivery capabilities grow to meet the rapid expansion of the thin film solar marketplace.

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Page 3 **About Oerlikon Solar**

*Oerlikon Solar offers cost-effective, field proven end-to-end solutions for the mass production of thin-film silicon solar modules. These fully automated manufacturing solutions are focused on reducing device cost and maximizing productivity. They are available as modular end-to-end solutions with metrology and upgradeability in throughput and process technology.*

*Oerlikon Solar has developed a unique and innovative technology based on its leadership in thin film technology and in close cooperation with its customers. An in-house pilot line allows producing, testing and optimizing the solar modules in full production size.*

*Headquartered in Truebbach, Switzerland, Oerlikon Solar maintains an R&D lab in Europe, as well as global customer support and training through sales and service centers in the United States, Europe and Asia.*

**About Oerlikon**

*Oerlikon (SWX: OERL) is one of the world's most successful high-tech industrial groups specializing in machine and plant engineering. The company is a leader in the field of industrial solutions and innovative technologies for textile manufacture, thin-film solar and thin-film coating, drive, precision and vacuum systems. With roots in Switzerland and a long tradition stretching back 100 years, Oerlikon is a global player with a workforce of more than 19,000 at 170 locations in 35 different countries. The company's sales amounted to CHF 5.6 billion and it ranks either first or second in the respective global markets. In 2007, approx. 5 percent of the turnover was invested in research and development (CHF 274 million).*