

Press Release

SINGULUS TECHNOLOGIES Focuses on Photovoltaics: Smart Solutions for Silicon & Thin-Film Solar Technology.

Kahl am Main, April 15, 2010 - SINGULUS TECHNOLOGIES, is the world leader in manufacturing mass production equipment for Optical Discs CD/DVD/Blu-ray. With the acquisition of the solar company STANGL Semiconductor Equipment AG in 2007, the foundation was laid to establish SINGULUS in the photovoltaics market. Numerous new products were developed and made marketable at SINGULUS and STANGL. SINGULUS is increasing its activities in the Solar segment: SINGULUS will increasingly advance towards a supplier of complete systems with process know-how.

Solar - transition from machine supplier to system provider

In the Solar segment SINGULUS and STANGL are cooperating with leading cell manufacturers in the development of new technologies and new plant concepts for improved cell concepts with higher efficiency and production technologies with decreasing production costs. The company's target is to position itself at the forefront for the introduction of new technologies with respect to silicon as well as thin-film solar technology. In the coming years SINGULUS will offer a broad product range of new machines for the photovoltaics industry, which will offer manufacturers of both silicon and thin-film cells new production technologies and therefore particular cost advantages. Especially during times of cost pressures in the photovoltaics market the interest regarding new plant concepts increases. SINGULUS and STANGL will systematically expand the solar activities. Both companies complement each other ideally in being able to offer a broad product range of machines and equipment for the photovoltaics industry in the coming years.

Today's dominating solar cell concept bases on cells made from crystalline silicon. STANGL provides completely automated solutions for poly silicon etching as well as treatment of Si wafers & cells in standard and high-efficiency production lines. SINGULUS e.g. has developed the SINGULAR machine, a PECVD coating system which meets the demands for both current and future PV cell production. SINGULUS offers single products and integrated systems for Si Cell Manufacturing



Thin-film solar panels offer specific advantages compared to the silicon solar technology. Amongst them is the fact that the efficiency is retained during periods of weak sun intensity and that they are very easily integrated into architectural design elements. SINGULUS is the market leader for the wet-chemical cleaning applying CIS and CdTe processes.

SINGULUS enables cost-effective CIS/CIGS & CdTe Thin Film Cell Manufacturing

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