



NEWS RELEASE

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Silicon Genesis Starts the PolyMax™ Production System

SiGen introduces high volume manufacturing kerf free wafering equipment

September 02, 2010 – San Jose, CA – Silicon Genesis, a leader in process and technology for engineered substrates announced today that it has started production of solar wafers using its new high volume manufacturing PolyMax system. In an industry first, SiGen has produced 85µm thick, 156 mm square *kerf-free* monocrystalline silicon wafers. Kerf is the material converted into saw dust, inherent in all sawing processes. This achievement delivers the first true mono c-Si *kerf-free* wafering for the PV industry.

The introduction of the PolyMax high volume manufacturing system brings the industry one step closer to replacing wire saw processes with a lower cost waste-free wafering solution. A key strength of the PolyMax system is its ability to produce wafers thinner than is achievable with wire saw technology, allowing the industry to produce cells with higher conversion efficiencies and lower cost.

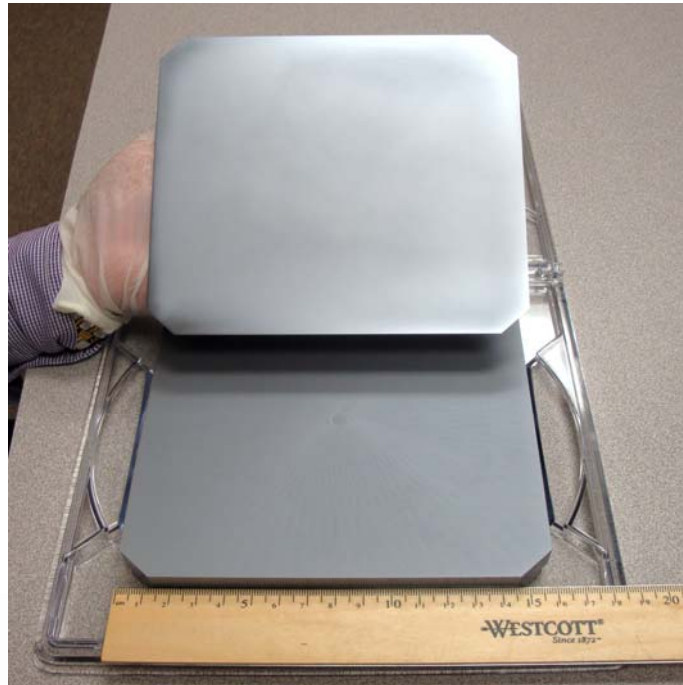
“We believe the benefit of using *kerf-free* wafers will allow the PV industry to reach unsubsidized grid parity. The start up of our high volume manufacturing system is a key step towards achieving this goal”, said Francois Henley, CEO of SiGen.

In an invited talk at the 35th IEEE PV Specialists Conference, Henley reviewed crystalline silicon *kerf-free* wafering technologies. At the upcoming 25th European Photovoltaic Solar Energy Conference and Exhibition (25th EU PVSEC) in Valencia, Spain, SiGen will present the PolyMax production system (2CV.1.53).

About SiGen

Silicon Genesis Corporation (SiGen) is a leading provider of engineered substrate process technology for the semiconductor, display, optoelectronics, and solar markets. SiGen's technology is used for production of Silicon-On-Insulator (SOI) semiconductor wafers for high performance applications. SiGen develops innovative substrates through thin-film engineering, enabling new applications and markets for its customers. SiGen's customers and partners include top players from substrate and device suppliers throughout the world. Founded in 1997, SiGen is headquartered in San Jose, California. For more information on Silicon Genesis, visit <http://www.sigen.com>

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PolyMax™ 85µm thick wafer, 156 mm x 156mm

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