

## **PV Materials Take a Steep Dive And Recover Quickly**

### **Techcet Forecasts No Lasting Impact to Five Year Growth Expectations**

**Del Mar, CA, June 04:** Sales for solar cell manufacturing materials bottomed out below \$5B in 2009, but are already back on track to \$6B by 2013, according to a new report from Techcet Group, “**Solar Cell Process Materials 2010.**” The year-long recession did not impact all materials equally, with cutting wires and silver inks taking the biggest hits.

China, Japan, Germany and Taiwan command 82% of the global PV cell production. Polysilicon comprises 60% of the direct material costs for single crystal and polycrystalline solar cells, though this is expected to drop to 50% over the next five years as polysilicon prices decline more than 50% from 2008 prices. Solar grade polysilicon is still largely produced in Japan, US and Europe. The remaining direct and indirect manufacturing materials are scattered around the globe, with new suppliers popping up near the high growth PV fabs in China. a-Si technology has been significantly slowed as the promise of manufacturing costs lower than c-Si has been challenged by falling polysilicon prices, in light of lower overall a-Si cell efficiencies. New manufacturing capacity for polysilicon continues to be added in the US as well as in India and Dubai.

In addition to market analysis, technology trends and supply chain issues, the reports include profiles and updates for the key materials suppliers to the global solar cell manufacturing industry.

Techcet Group, LLC specializes in market analysis and technical trend analysis for the semiconductor, silicon, PV, TFT and related electronics industries. The company has been responsible for producing the International Sematech Critical Material Reports since 2001. Other reports released this quarter include:

- CMP Consumables
- Wet Chemicals
- Photoresists and Photoresist Ancillaries
- High  $\kappa$  and ALD Precursors
- Gases
- Sputter Targets
- Quartz

For additional information about “**Solar Cell Process Materials 2010**” and other Techcet reports, contact Lita Shon-Roy, +1-858-259-9077, [lshonroy@techcet.com](mailto:lshonroy@techcet.com), or visit our website at [www.techcet.com](http://www.techcet.com).

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