

**For Immediate Release**

**Press Release**

## Top 10 Suppliers of PV Manufacturing Equipment Worldwide for 2008

**Bedford, England – July 9, 2009:** VLSI Research Inc today announced the ranking of the top 10 suppliers of PV manufacturing equipment worldwide for 2008.

Applied Materials goes straight to the number one spot in their first full year with revenues falling just short of \$800M related to its equipment for manufacturing crystalline solar cells as well as integrated thin film solar production lines. Oerlikon Solar, the largest supplier of turnkey silicon thin film module lines in 2008, came in second place, GT Solar International, a supplier of turnkey solutions for polysilicon, wafer, cell, and module manufacturing equipment, followed closely. Rounding out the top 5 with revenues in excess of \$500M were Gebr. Schmid and centrotherm photovoltaics AG.

Top 10 Suppliers of PV Manufacturing Equipment			
Company	Revenues (\$M)		Rank
	2007	2008	2008
Applied Materials	73	797	1
Oerlikon Solar	222	552	2
GT Solar International	130	535	3
Gebr. Schmid	301	512	4
centrotherm photovoltaics AG	197	502	5
Meyer Burger	149	391	6
Roth & Rau AG	188	375	7
Ulvac, Inc.	83	282	8
Manz Automation AG	70	207	9
Von Ardenne Anlagentechnik	96	132	10

Source: VLSI Research Inc  
PV-Solar

“The top 10 list is dominated by European companies with seven based in Europe. Applied Materials and GT Solar International are headquartered in the United States and Ulvac in Japan,” commented John West, managing director, VLSI Research Europe. “European equipment suppliers got a head start in PV Manufacturing equipment markets through strong European government incentives, forcing companies around the world to play catch-up”, West continued.

The PV capital equipment industry is complex and suppliers offer a wide range of solutions. During 2008, the PV equipment industry went through rapid growth and shaped into its current state. The companies represented here are the top 10 companies of over 200 that VLSI tracks on an on-going basis. This top 10 ranking includes total 2008 calendar year worldwide revenues from PV equipment suppliers. The revenues of the companies with non-calendar year based fiscal years are adjusted to reflect 2008 calendar year revenues. Some of the revenues are double counted because they include sales from

turnkey lines that are then sold to end customers. The ranking includes revenues for polysilicon material, silicon ingot, silicon wafer, cell and module manufacturing equipment, as well as service and support revenues.

### **About VLSI Research Inc**

VLSI Research Inc is the leading provider of market research and economic analysis on the technical, business, and economic aspects within nanotechnology and related industries. The company is known for its unparalleled accuracy, innovation in market research, and its sharply focused insight into the rapidly changing landscape of the industries covered. Its databases on manufacturing are used throughout the industry, and by government. VLSI Research's primary databases and reports cover the semiconductor, flat panel display, PV cell and module manufacturing industries, and the market for critical subsystems and components within these and associated high technology industries. VLSI Research was founded in 1976.

Website: <https://www.vlsiresearch.com>

Products: [Chip Making Markets](#), [Customer Satisfaction Report](#), [Industry Pulse Pro®](#) , [PV-Solar, Component Subsystems](#)

### **About PV Manufacturing Markets**

VLSI Research's *Database on PV Manufacturing Equipment* is a web based subscription service providing a detailed insight into the fast moving world of photovoltaics from the equipment supplier's perspective. It includes data and analysis covering the entire PV manufacturing process from substrates to final test, with separate data for each of the major cell technologies. The focus is on the measurement and forecasting of demand for process equipment and includes capital equipment supplier market shares split by equipment category and by cell technology. In addition, sales of turnkey lines are tracked by vendor and by cell technology. The service also provides detailed information on PV cell and module manufacturing and other key market drivers.

### **Contacts:**

John West – Managing Director VLSI Research Europe

Andrew Thomas – Solar Equipment Analyst

e-mail: [solar@vlsiresearch.com](mailto:solar@vlsiresearch.com)

Tel: + 44 1234 834666

Fax: +44 1234 834665

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