SOKUDO Lithography Breakfast Forum 2006, San Francisco, CA Semiconductor Manufacturing Update: A Good 2006 As The Recovery Rolls On

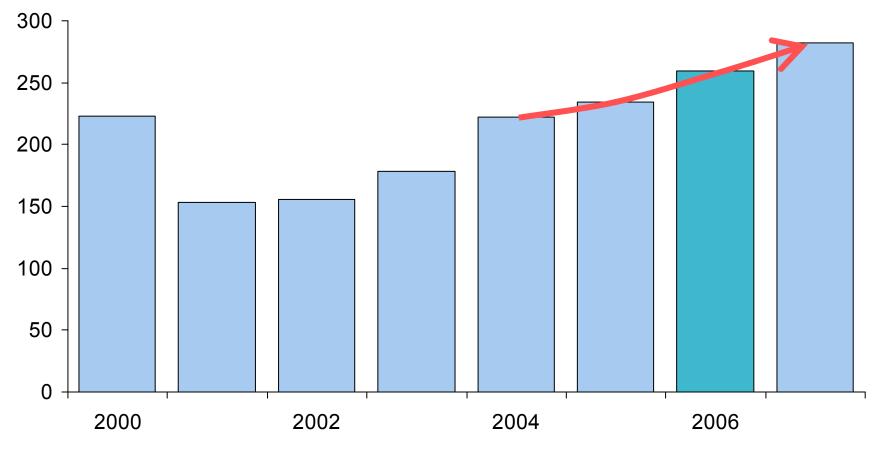
<u>Presenter:</u> Klaus Rinnen

Semiconductor Manufacturing Gartner Dataquest



A Good Year for Semiconductor Industry ...

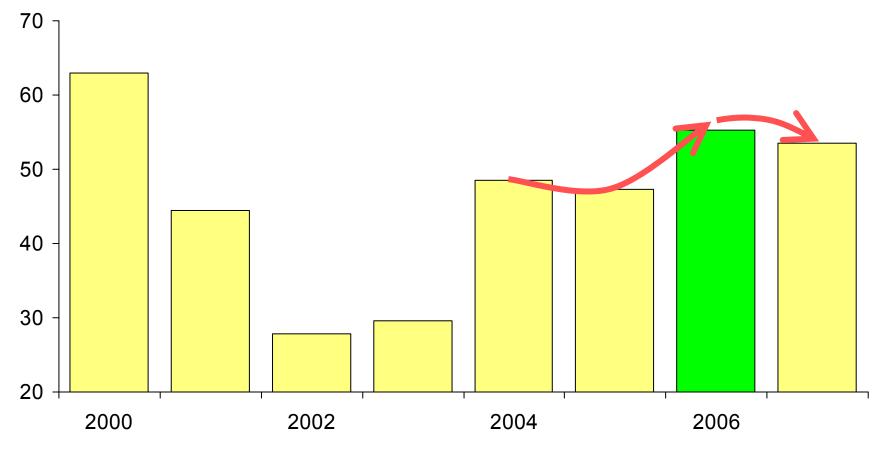
Semiconductor Revenue (Billions of Dollars)





... and Capital Spending

Capital Spending (Billions of Dollars)





Forecasted Growth

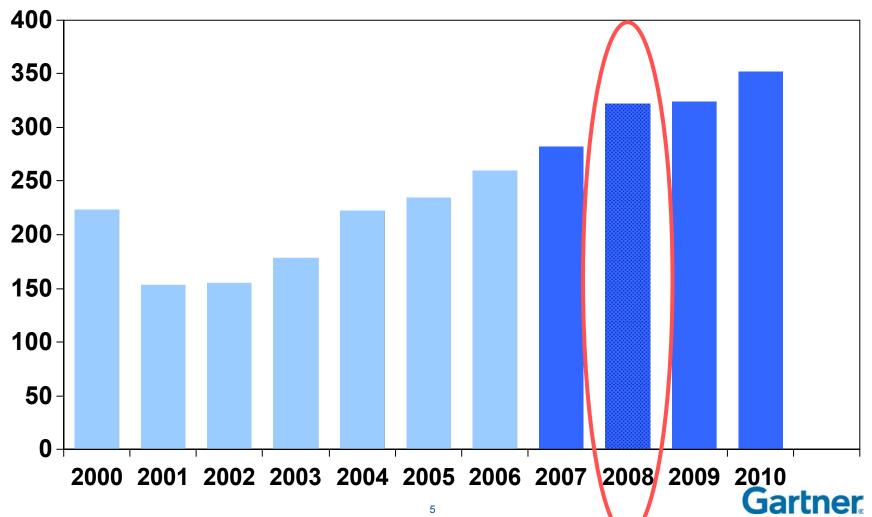
Revenue Growth (%)	2006	2007	
World Real GDP U.S. Real GDP E Equipment* Semiconductor	+3.8 +3.4 +3.4 +4.8 +10.6	+3.3 +2.6 +5.0 +8.9	
Capital Spending	+ <u>16.6</u> 1	- <u>3.3</u>	L
Equip. Spending WFE Equipment	<u>+24.8</u>	-4.5 -4.4	
Litho Equipment Photomask Photoresist	+27.1 1 +7.1 1 +12.5 1	<u>-0.3</u> +4.5 +2.3	
*Production revenue	0		Jartne

Note: Arrows indicate change over 3m ago

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Semiconductor Revenue Forecast: Next Cyclical Peak is in 2008





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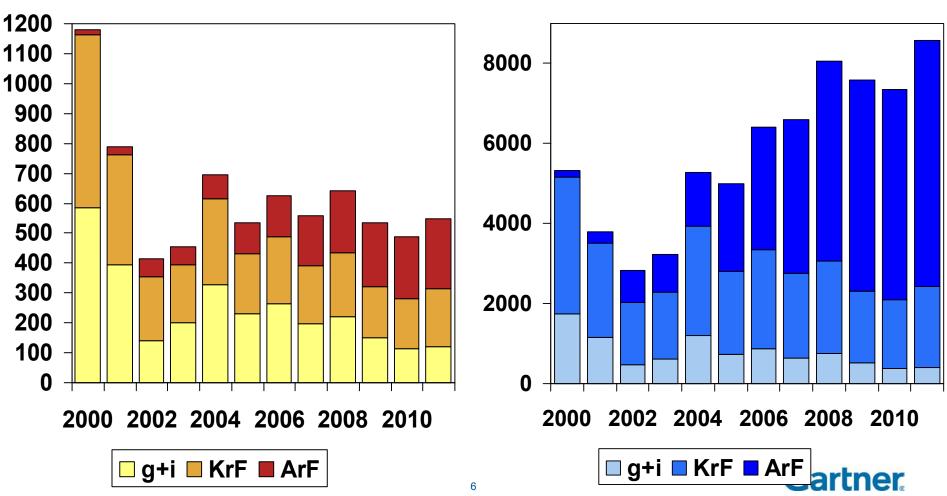
Stepper Forecast: Making New Revenue Highs

Stepper Unit Forecast

Units

Stepper Revenue Forecast

Millions of Dollars



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Challenges to Lithography Community

- Business Challenges
 - Consolidation in customer base
 - Rising R&D cost
 - Delivering and supporting a broadening product portfolio
- Technology Challenges
 - Extending optical lithography
 - Taking immersion to 22nm?
 - What comes after ArF?





Thank You!

