

## **Used 300 mm Tools Are Hot**

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*By Staff -- Semiconductor International, August 26, 2009*

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One of Semico's major findings relates to advanced 300 mm fabs that currently offer manufacturing capability from 90-45 nm. These fabs will be converted from the production of once leading-edge processors and memory devices to the production of other semiconductors such as analog devices, image sensors, mixed signal parts and other logic devices. Some of these semiconductors will migrate to production at 90 nm or less, using the 300 mm tools at their original design capabilities.

The study identifies other opportunities for trailing-edge fabs (technology nodes >0.80  $\mu\text{m}$ ) and mature fabs (0.80  $\mu\text{m}$  to 130 nm).

Wafer demand for trailing edge semiconductors will increase >20% from 2008 through 2013. Bargain-priced 200 mm tools are now on the market. This creates a sales opportunity for used 200 mm tools to be used for trailing edge production at nodes well below their original capabilities.

Wafer demand for products requiring 0.80  $\mu\text{m}$  to 130 nm capacity will increase >16% from 2008 through 2013. This creates an opportunity for the sale of used 200 mm tools to be put back into production to meet capacity requirements.

The study provides five-year forecasts for worldwide semiconductor shipments by device type, wafer demand and fabs required for production as well as semiconductor equipment demand. The study is titled "Used Semiconductor Manufacturing Equipment: Looking for Sales in All the Right Places." Contact Sam Caldwell at [samc@semico.com](mailto:samc@semico.com) or 602-214-9697.