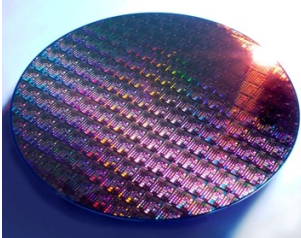


Semiconductor Trend - Bigger Wafers



Keeping up with consumer demand for the latest in electronics has a big impact on the semiconductor industry. Companies are under pressure to reduce the size of electronic devices, while lowering cost and maintaining high quality. Our customers are facing production choices to address these pressures, such as the need to increase wafer size.

That change will mean they will require larger targets, as well as improved product variability and yield. The bigger the wafer, the more microchips it can hold. That also translates into more efficient use of process time and material. When a wafer is enlarged, it also requires a target with corresponding increased surface area. This need drives target manufacturers to continually improve their capabilities to produce bigger target sizes to meet the fabrication requirements for 300mm and 450mm wafers used in the semiconductor industry. [Read More...](#)

The Cleanest Room of All

To meet the requirements of the semiconductor industry, Materion has upgraded its existing "white room" and connected areas to deliver an increasing level of cleanliness. Our clean room footprint now provides three adjacent ISO-rated rooms: ISO 7 (Class 10,000), ISO 6 (Class 1,000) and ISO 5 (Class 100). Many semiconductor processes rely on a clean, contamination-free environment, a single particle can create a defect in the semiconductor device and result in product failure. [Read More...](#)

HAMR Technology Advances HDD Industry

Unrelenting consumer desire for inexpensive data storage is the driving force behind the technological advances made by the Hard Disk Drive (HDD) industry over the past two decades. Now, clearly a mature technology, hard disk industry leaders are set to leap forward with stunning gains in areal density as a new technology called Heat Assisted Magnetic Recording (HAMR) is brought to the consumer market. HARM technology integrates a semiconductor laser onto a hard drive recording transducer. Gains in areal density are expected to grow from approximately one TB per square inch of recording disk space to 5 TB or greater. [Read More...](#)

Expanding Representation to South America

To broaden availability of its products and services, Materion coordinates a network of direct Sales Representatives in multiple global locations. Materion is proud to announce HTMG as our newest channel partner to represent us with customers in Brazil, Argentina, Chile, Uruguay and other nations in South America. [Read more about HTMG...](#)

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Face to Face

Meet Scott Haluska, VP of Global Sales for Materion Advanced Materials Group. Scott is responsible for worldwide account management/development, new business sales and customer service. He is an integral part of Materion's leadership team and reports directly to President Don Klimkowicz. Commenting on his lengthy career, Scott remarked: "I've had a great 26 years with Materion. It is a place I am proud to work, with a quality environment and an exceptional level of integrity. I believe the company is well-positioned strategically and can look forward to continued success."



When not traveling, Scott enjoys spending time with his wife and three daughters. [Read More about Scott...](#)

Semicon West Winner



Materion presented **Eric Chen from Applied Materials** with a stainless steel Apple Watch at the completion of SEMICON West 2015.

Eric's name was drawn from submitted entries for the **Materion Giveaway**

Come join us at.....

European MEMS Summit 2015
17-18 September, 2015 • Milan, Italy

SEMICON®
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October 6-8 in Dresden, Germany
Both # 1601