

Isonics: Next Generation High Performance Semiconductor Wafers

August 24 2004

Isonics Corporation, a leader in advanced [semiconductor](#) materials and [wafers](#), a supplier of isotopes to the healthcare industry for the imaging and treatment of cancer, and developer of explosive detection technology for the homeland security market, has produced a five-minute video describing **the unique capabilities and advantages that are resulting from combining its proprietary purified form of [silicon](#) with its silicon-on-insulator wafers.**

The video introduces some of the advantages provided by Isonics' innovative combination of its patented product silicon-28, with its silicon-on-insulator (SOI) products. Semiconductors based on the newly engineered wafers, and the information processing devices they power, can be made faster, cheaper and longer-lasting than ever before, enabling a range of advantages, such as extended battery life in computer laptops and longer operational lives for critical information processing equipment.

Silicon-28 is an isotopically pure, synthetic form of silicon that replaces natural silicon in the production of wafers for computer chips and was developed by Isonics founder and president James Alexander. Silicon-28 offers significantly higher thermal conductivity than natural silicon, **improving performance of high-power devices.** SOI wafers provide advanced heat-management features that enable semiconductors to function more efficiently at higher speeds.

Also described in the video are some of the manufacturing challenges

Isonics faced in the creation of this new generation of wafers.

"We want people to understand how our silicon-28 and SOI wafers can improve the function of computers and all types of devices that use advanced semiconductors," said James Alexander, president of Isonics. "The video is a powerful way for us to communicate the advantages in power consumption and efficiency that our innovative semiconductor materials can enable, and it conveys some of the special technological hurdles we had to solve to manufacture these products."

To view the video, go to <http://www.trilogy-capital.com> . Other investor-specific information about Isonics is also available on the Trilogy Capital website.

Source: Isonics Corporation

Citation: Isonics: Next Generation High Performance Semiconductor Wafers (2004, August 24)
retrieved 9 April 2024 from
<https://phys.org/news/2004-08-isonics-high-semiconductor-wafers.html>

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