Cheaper Flat TVs From Diamond Dust

Expensive, bulky TV screens could be a thing of the past thanks to a collaboration between the University of Bristol and Advance Nanotech announced today to develop new display technology made from diamond dust.

Advance Nanotech, a US-based company that acquires and commercializes nanotechnology applications worldwide, has committed £1 million to a two year multidisciplinary project combining the University's nanotechnology expertise in the fields of chemistry and physics. It opens up the possibility of cheaper and more power efficient flat panel displays, for use in wide screen digital TVs and many other applications.

The University team comprises lead scientist Dr Neil Fox, Professor Mike Ashfold, Head of Physical and Theoretical Chemistry, and Professor David Cherns, Head of the Microstructures group in the Department of Physics.

Dr Fox explains: "We are thrilled that Advance Nanotech has chosen to enter into partnership with us. Previous government support for our nanodiamond work has allowed us to reach a position where the technology is now ripe for exploitation. Given Bristol's expertise in small scale structures and materials, we are ideally positioned to push forward the barriers of this area of nanotechnology."

This collaboration will also enable scientists to combine diamond nano-particles with other powerful nano-technologies and could lead to the next generation of products in the home and the workplace.

Magnus Gittins, Chief Executive Officer of Advance Nanotech, says: "Today, in collaboration with the University of Bristol, we commence the development of revolutionary new displays for consumer and business markets. The funding we have provided will bridge the gap between first class innovation and marketable solutions for these high-value markets."

Professor Eric Thomas, Vice-Chancellor of the University of Bristol, adds: "Research at the University of Bristol is of the highest standard. It is very exciting to see this knowledge transferred to the outside world and so bring benefit to us all."

Source: