

e-science!

Innovative Technology for Material Deposition



E-Science introduces the Titan™ Effusion Cell at the North American MBE Conference in Santa Barbara, California

September 12, 2005
Santa Barbara, CA

E-Science, Inc. has released its latest product for evaporation of Ga and In in an Molecular Beam Epitaxy (MBE) reactor. The Titan™ effusion cell has been developed by E-Science to give MBE growers added performance by providing lower defect counts, improved uniformity, high capacity, reduced shutter transients, and a shorter source conditioning time. This sealed two-piece graphite crucible design provides distinct advantages over one or two piece PBN versions. Operation and maintenance of the cell and crucible is appealing with the ability to run on one filament, accept a single piece of charge material, and operate over multiple campaigns. The Titan™ cell and crucible set offer superior performance over others available on the market today.

Versions of the Titan™ effusion cell are available for all the major MBE equipment manufacturers' reactors. In addition, E-Science can design a replacement crucible to fit into existing effusion cells. Contact E-Science to take advantage of this latest advancement in effusion cell technology.

Contact

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