

press release

AAPM, 30 July–2 August, 2006

Booth #1143

e2v exhibits new MG6090 magnetron at AAPM

e2v technologies introduces its new MG6090 series of magnetrons for radiotherapy linear accelerators at the AAPM exhibition in Florida, US. The robust MG6090 has been developed in direct response to customer requirements. Please visit Booth #1143 at AAPM to view a product sample.

The tunable S-band MG6090 series of magnetrons has been developed to replace e2v's MG5349 series of products. Designed specifically for linear accelerator use, and through close cooperation with a major OEM, these new magnetrons have been designed to be RoHS compliant and more robust. For transport considerations, the MG6090 magnetron is able to withstand a shock of up to 101G in magnitude; three times that of the MG5349. In addition, the opportunity was taken to upgrade high voltage leads and connectors and to add features to the design to minimise stray microwave radiation from the product during operation.

The MG6090 is a mechanically tuned, pulse magnetron, operating across a 2,993 MHz to 3002 MHz frequency range and with a peak output power of 3.1 MW. This series of magnetrons has been in full production for 18 months for a major radiotherapy OEM and is also currently undergoing trials with two further major OEMs.

Chris Thwaites, Product Manager at e2v, comments: "Feedback to date indicates that customers are delighted with the high reliability and excellent performance of the new magnetron. We feel that we have developed a product that directly meets our customers' needs."

e2v has been designing and manufacturing magnetrons since the 1940s.

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e2v technologies plc

e2v technologies delivers the radio frequency and sensing technology that enables some of the world's most innovative medical and science, aerospace and defence, and industrial and commercial systems. For the year ended 31 March 2006, e2v achieved sales of £112.3m. It is listed on the London Stock Exchange (e2v.l).

e2v is a leading developer and manufacturer of high-technology electronic components and subsystems, which it supplies into three core areas:

- **Medical & Science:** Sensor technology includes Dental X-ray, Mammography, life science applications and X-ray microscopy. Electronic Tubes are the enabling technology behind radiotherapy cancer treatments, microwave medical therapy and high-energy physics.
- **Aerospace & Defence:** Sensor technology includes military surveillance, targeting and guidance; space-based imaging and astronomy and radar & electronic warfare. Electronic tubes provide the enabling technology behind radars, electronic countermeasures (ECM), electronic warfare and satellite communications.
- **Commercial & Industrial:** Sensor technology includes marine radars, industrial safety sensors, automotive radars and alarms and thermal imaging cameras used by fire fighters. Electronic tubes provide enabling technology behind TV broadcast, satellite communications, marine radar and food & industrial processing.

In 2006 e2v won a Queen's award for Enterprise, granted in the Innovation category, for its L3Vision™ imaging sensors and cameras used in aerospace, medical and scientific imaging systems.

e2v has 1,300 employees worldwide with offices in UK, USA, Germany, France, Canada and a presence in China through the China Britain Business Council, as well as a network of distributors covering other key territories.

Further information on e2v technologies plc is available from its website, www.e2v.com