

# PRESS RELEASE

## New Laser Technology reduces impact of diagnostic imaging on patients

**Martinsried, February 1, 2013 – AMS Technologies presents 200 kHz Swept Light Source for OCT imaging which reduces the impact of diagnostic imaging on patients.**



The newly developed light source uses a high-speed KTN light deflector and high-speed wavelength swept variable laser technology, both developed by NTT for used in telecommunications. This is currently the fastest light source commercially available. The wavelength used is in the 1.3  $\mu\text{m}$  band, the band used for OCT-based examination of the coronary arteries.

In addition to the high-speed sweep at 200 kHz, the product has the following performance features:

- wavelength sweep span larger than 100 nm
- average light output of 15 mW
- coherence length longer than 7 mm

OCT systems that incorporate this product can take high-resolution cross-sectional images of living tissue at high speed. This feature will not only reduce the time required to complete an examination and hence reduces impact on patients but also broaden the application of OCT systems, such as innovative medical diagnosis using real-time 3D imaging, and clinical study applications in the field of R&D.

Please visit our web page for more information [www.amstechnologies.com](http://www.amstechnologies.com)

### **AMS Technologies – where technologies meet solutions**

AMS Technologies is Europe's leading solution provider and distributor for Optical, Power and Thermal Management Technologies, with 30 years of experience to date and currently serving more than 1000 European customers. AMS Technologies has been delivering solutions into a variety of high-tech markets, including renewable energies, medical, defense & aerospace, telecom & datacom, research & scientific and various other industrial segments. Our customer base consists of Europe's largest leading technology corporations, a network of universities and research institutes as well as the most promising start-ups.

We thrive by working in a 'customer first' environment. Our pan-European customers are serviced from a network of local offices in Germany, the UK, France, Italy, Spain and Sweden, with a focused operations and logistics centre located in Munich, Germany. For further information about AMS Technologies please look at [www.amstechnologies.com](http://www.amstechnologies.com)