

03/12

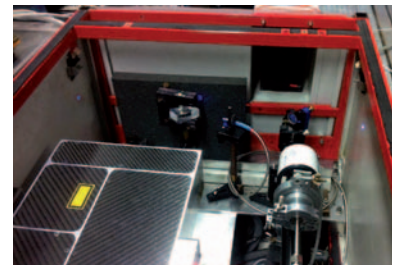
INSIGHT

Trace Analysis for Dynamic Motor Oil Consumption Measurement

Measuring motor oil consumption by the well established gravimetric determination is extremely time- and costconsuming. A quicker and more reliable method was recently developed by the TU Munich, in collaboration with BMW-AG and InnoLas Laser GmbH. By using sulphur as a motor oil indicator, minimal traces of it are detected in the exhaust gas by laser spectroscopy.

The laser source is of particular importance for this method. A tuneable light source in the deep UV (215 – 225nm) is required which emits several 100 μ J of collimated radiation. A suitable OPO was developed by InnoLas Laser. After developing the existing prototype into a commercial instrument an important new instrument for motor development will be available to engineers.

(i) For more information contact Christian Menhard: +49 (0)89 899 360-1423 | christian.menhard@innolas.com

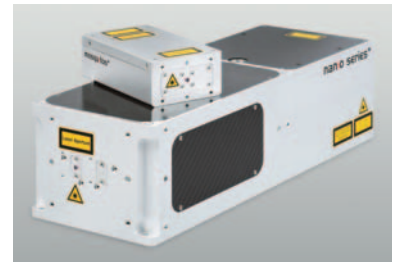


SpitLight 600 OPO used in testing facility

Drop-in replacements for obsolete lasers

In times of shorter product life cycles obsolete laser sources can cause numerous problems for laser integrators and users. In order to avoid redesigning a mature and working machine or changing stable processes in hundreds of machines in the market, drop-in replacements with exactly the same laser performance as the preceding product are the solution. InnoLas Laser's drop-in replacements are cost effective high quality lasers based on NANIO and mosquito platforms and offer additional benefits such as superior stability and lifetime. Currently InnoLas Laser provides replacements for several models, including Coherent Vector, Coherent PRISMA, Spectra-Physics X30 and Y70.

(i) For more information contact Martin Paster: +49 (0)89 899 360-1405 | martin.paster@innolas.com



NANIO and mosquito lasers

InnoLas goes green

Being an internationally-operating company mobility is important for InnoLas. Putting mobility into contact with ecology and social responsibility was the focus of a recent project of InnoLas and several other neighboring companies as well as the City of Munich. Several different measures – some bigger, some smaller – are part of the new mobility concept. Among other things car-sharing, new company-car policies, better connections to public transport and even buying a few bicycles added up to a reduction of nearly 4 t emission and 1,500 l fuel per year. This is a remarkable success considering that only limited manpower and funds were available for this project.

(i) For more information contact Stephanie Baumgärtner: +49 (0)89 899 360-1501 | stephanie.baumgaertner@innolas.com



Mobility Team of InnoLas