

## Press release

### Determine the thickness measurement of technical glasses: The ultimate solution for non-contact thickness measurement of technical glasses

*Wessling, 06 August 2009* **Measuring thickness and position of all interfaces in multi-layers technical glasses with an absolute accuracy of  $\pm 1 \mu\text{m}$ .**



FOGALE nanotech's Low Coherence Interferometric Sensor (LISE) relies on the measurement technique of low coherence interferometry, also referred to as partial coherence interferometry. By comparing the optical paths in the glass with the optical path in an internal delay line, the system allows to measure the positions and thicknesses of glass layers and interlayer products.

All surfaces are detected in one measurement run in a few seconds.

LISE reaches an absolute accuracy on air gaps and glass thicknesses of  $\pm 1 \mu\text{m}$  over a full measurement range of 200 mm (optical thickness).

#### **About Laser 2000:**

The Laser 2000 Ophthalmic started in the year 2000. Meanwhile our systems are industry-proven all over the world. Our laser engraving and printing systems are operated successfully by more than 50 companies worldwide. Other than ophthalmic, Laser 2000 also has reference customers in automotive and semiconductor industries as well as in numerous research institutes and facilities.

More infos: [www.laser2000ophthalmic.com](http://www.laser2000ophthalmic.com)

#### **About FOGALE nanotech:**

FOGALE nanotech, an engineering company created in 1983, is now a worldwide known reference in the field of high accuracy **dimensional metrology**. Thanks to our multidisciplinary team with expertise in **capacitive, optical, inductive** and **ultrasonic** metrology and a strong scientific background, we provide standard and customized systems adapted to your implementation and utilization constraints. Our standard products and our engineering know-how are acknowledged in the most demanding fields of industry and laboratories (e.g. automotive, defence, aeronautics, nuclear industry) in Europe, USA and Asia.

More infos: [www.fogale.fr](http://www.fogale.fr)

#### **Press contact:**

Jan Brubacher  
Manager  
Marketing & Communication

Laser 2000 GmbH  
Argelsrieder Feld 14  
D-82234 Wessling  
Tel. +49 8153 405-39  
j.brubacher@laser2000.de  
[www.laser2000.de](http://www.laser2000.de)



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Pav.1 Stand S 68

#### **For further information please contact:**

Georg Draude, Laser 2000 GmbH, Germany  
Phone +49 8153-405-83 • Fax +49 8153405-33 • [g.draude@laser2000.de](mailto:g.draude@laser2000.de)