

## New Chromatic Nemesis XV Measuring System ... for non-contact thickness measurements of SiC wafers

The new Nemesis XV measuring unit made by Precitec Optronik, Rodgau, Germany now offers a simple way of measuring samples of very thin materials such as SiC wafers and similar materials.

The system is designed for detecting **thickness** and **topography** of both **transparent** and **opaque** materials of highly sensitive products **simultaneously**. This is a non-contact system eliminating any damage to the surface allowing samples to be returned as sellable product.

The accuracy of the system is greater than 1µm. This provides a secure and precise basis for offline use within the scope of measurement of samples.

The new unit works with the chromatic white light sensors of the new CHRcodile product family from Precitec Optronik.

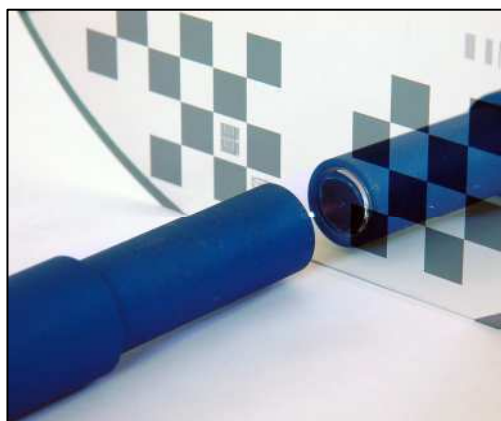
Nemesis XV contains an automatic data evaluation. The measurement values are also available to the user as Ascii data. Consequently, Excel documentation and processing by means of the PC is also possible without any problem.

The Nemesis XV measuring system is available now and offers considerable advantages for production:

- Reliable product control of material thickness and topography
- Optimization of the manufacturing process
- Assurance of product quality
- Avoidance of subsequent work

For information on this and other Precitec products, please contact:

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About Precitec Optronik – ([www.precitec.com](http://www.precitec.com)) located in Rodgau, Germany is part of a global organization Precitec KG providing solutions to industrial applications utilizing CO2 and Nd:Yag laser technology. The Company produces precise mechanical, optical and electronic components and systems, for laser material processing. Products include robust distance control, positioning systems (with relevant software and axis drives), and beam guide components for cutting, welding, and heat-treating. Precitec sensors are world renown; patent protected, and manufactured under ISO 9001 standards.

About LaserAge Ltd. – ([www.laserage.ie](http://www.laserage.ie)) located in Cork, Ireland. LaserAge is a leading R&D provider of precision laser-based manufacturing Solutions. We provide specification and selection of industrial laser systems to companies in the manufacturing sector. Our experience covers; cutting, welding and drilling of metals, plastics, composites and organic materials. Surface Modification includes; laser ablation (for the production of micro moulds), texturing (of moulds), laser polishing and marking. Laser cladding and hardening is used for refurbishment and life extension of Wear Parts, i.e., Wear and Corrosion Protection for aerospace, exploration drilling and machinery equipment. Micro Manufacturing includes micro moulding (for medical components), Selective Laser Melting, Micro tooling and Rapid Prototyping.