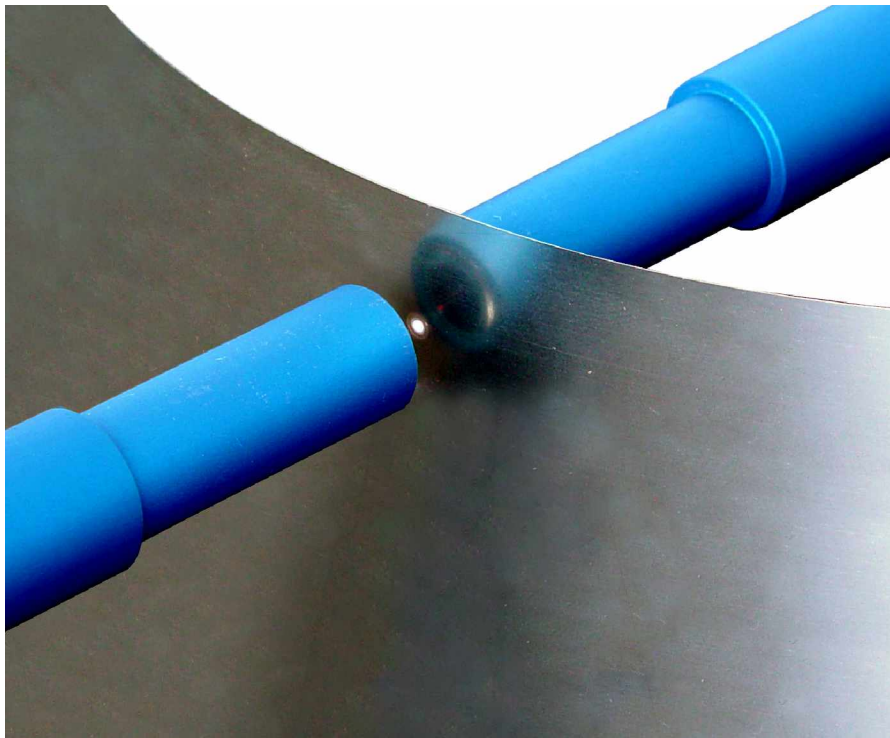


Non-Contact measuring of material thickness of product bands

The new CHRcodile sensors manufactured by Precitec Optronik, Rodgau, Germany, now offer clear opportunities for streamlining in the manufacture of very thin materials, such as metal, paper, cardboard, fabric or even synthetic bands.

The unit for detecting the thickness and topography of transparent and also **opaque** materials is in a position to precisely measure not only the thickness and topography of the product band, but also the surface finish values (e.g. of a powder applied), directly in the manufacturing process. This is a non-contact process eliminating the need to scrap material samples.



Very high sampling rates of up to 14 kHz also permit rapid band speeds with inline use providing good lateral resolution.

The new unit is designed for integration into the existing production lines. Regardless of environment, it can be installed to give real time information to provide process control. The system utilizes the chromatic white light sensors of the new CHRcodile product family designed by Precitec Optronik.

In summary, the measurement of thickness with CHRcodile sensors offers considerable advantages for production:

- Ø Online process control of the material thickness and topography
- Ø Optimisation of the manufacturing process
- Ø Assurance of product quality
- Ø Avoidance of subsequent work



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

Dr. Jochen Schulze
Precitec Optronik
Raiffeisenstrasse 5
63110 Rodgau
Germany
Phone: +49-6106-82-90-14
Email: j.schulze@precitec-optronik.de
www.chrocodile.com

About Precitec Optronik – Precitec Optronik. (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.