

## PRESS RELEASE

### CHRcodile C – a new, non-contact and compact sensor system for distance and layer thickness measurements



Neu-Isenburg, 14.4.2016. Precitec Optronik GmbH will showcase its brand-new chromatic sensor at the CONTROL 2016 – the CHRcodile C. The new compact sensor measures distances and layer thicknesses ultra-accurately and at high speed. The CHRcodile C's revolutionary design integrates opto-electronics and measuring probe in one single housing the size of a pack of cigarettes. With its four newly-developed optical probes that can be easily replaced by the user, the system can be parameterised within wide limits and adapted to the measuring task.

“One of the outstanding features of the CHRcodile C sensor is most certainly its compact design”, says Dr. Jochen Schulze, Deputy Head of Sales at Precitec Optronik in Neu-Isenburg. “Compact chromatic measuring systems combining sensor and optical probe in one single unit of this size have never existed until now. With its compact design, contact-free measuring principle and excellent price-performance ratio, the CHRcodile C is the ideal alternative to classic laser triangulation sensors.”

The new CHRcodile C sensor is also the smallest-ever “all-in-one” point sensor from Precitec Optronik. When ready for use, the chromatic confocal measuring unit consisting of sensor and optical probe weighs only 440 grams. The probes can also be replaced without the need for tools. There are no other setting controls on the system unit itself – LEDs provide information about the status and operational readiness of the measuring system. The triggerable system has a sync output and standard Ethernet and RS422 interfaces.

With its compact housing, the CHRcodile C is eminently suitable for in-process quality control procedures and is ideal for integration with automatic optical inspection machines. Its high dynamics and outstanding signal-to-noise ratio allow measurements to be performed on a wide range of surfaces. The CHRcodile C's robust and non-contact measuring system is maintenance-free and easy to integrate into inspection machines.

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