



Applications



CHRocodile E, X, IT – Optical Sensors
Non-contact Distance and thickness measurements for medical devices



CHRocodile

If time matters...

Possible Measurements

- Topography
- Profile
- Thickness
- Multi-layer thickness
- Fluid levels

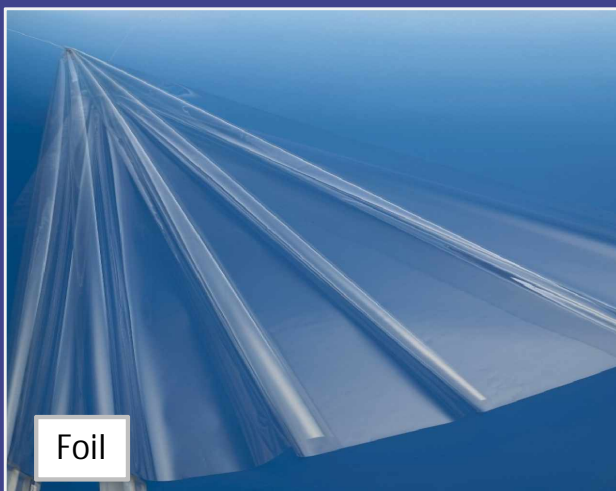
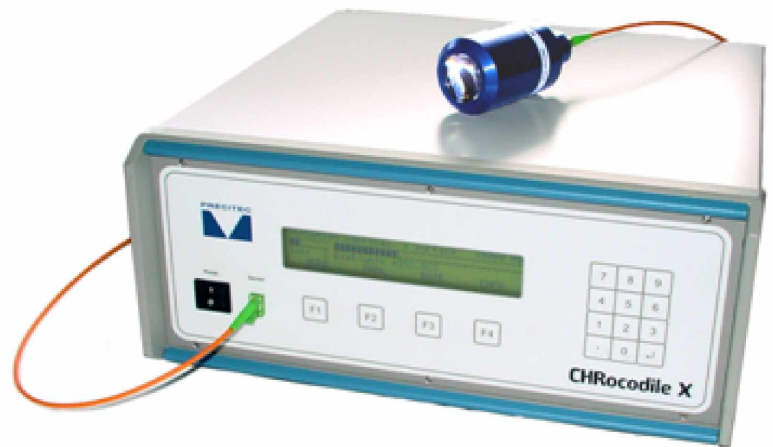
A high-precision and non-contact measurement of medical devices can be made with a single probe enabled by the optical sensors *CHRcodile E*, *X* or *IT*. Most shapes can be measured because of the high aperture of the probes. The sensor determines the distance from the outside to the inside as well as the thickness of the object 14,000 times a second.

The spot diameter is only a few micrometers which enables the detection of small surface defects. Subsequent calibrations are not necessary and the probes are unaffected by the measurement process, allowing for consistent and continual use.

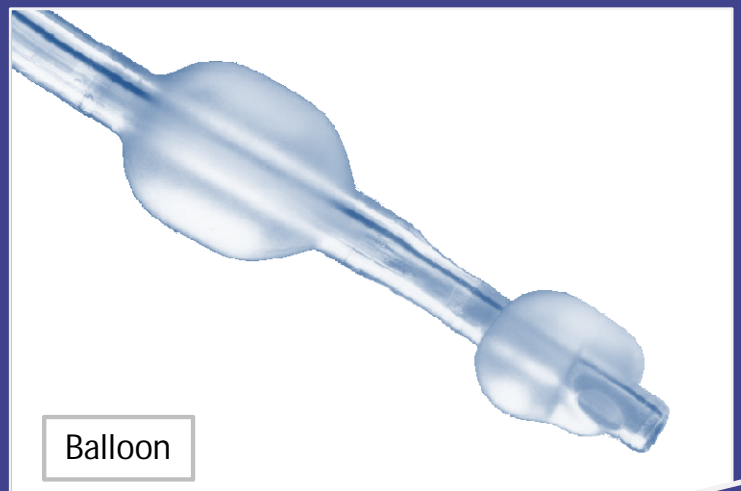
The sensors can be integrated directly into the inline production process because of their high speed and the possibility to handle up to three encoder signals. They are also readily incorporated into laboratory and offline-operation settings. The *CHRcodile* will provide a safe, reliable and high-quality measurement, which is just what this industry relies upon.

Typical Devices

- Biomedical Sensors
- Stents
- Balloons
- Films, liquid layers
- Foils



Foil



Balloon

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Further Information:
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