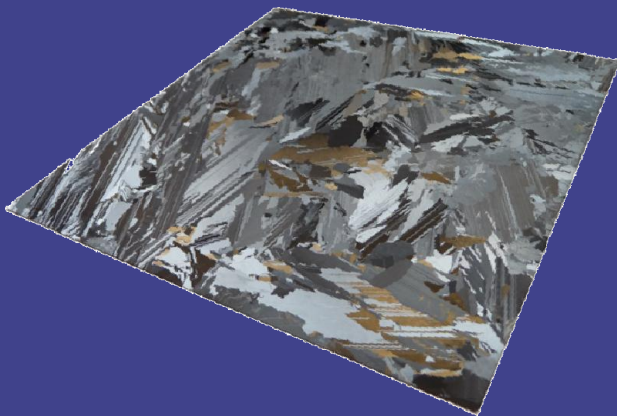




## Applications



***CHRcodile MI5*** – Modular sensor system  
Non-contact measurement of solar wafers during transport



# CHRcodile

If time matters...

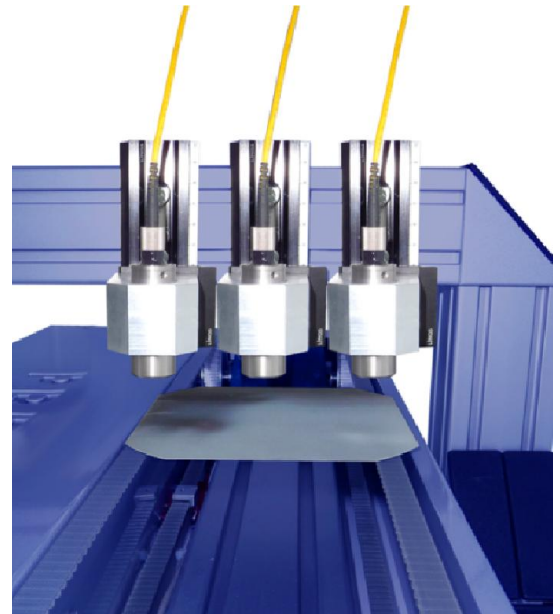
## Characteristics:

- Non-contact thickness measurement (inline/offline)
- Modular design → up to 5 independent channels
- High measuring distance → no risk of collision with sensor
- Subsequent calibrations of the sensor not necessary
- Possibility of simultaneous distance measurement → surface profiles

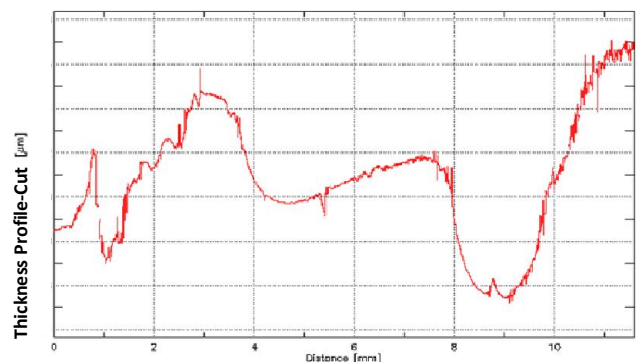
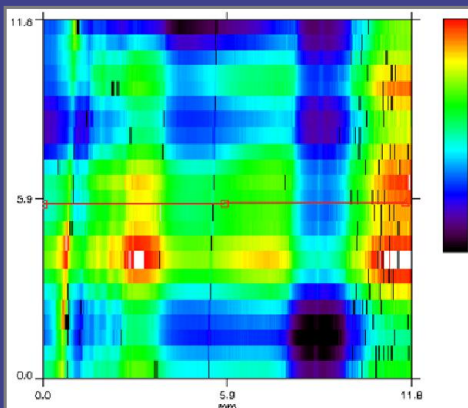
Further Information:  
[www.CHRocodile.de](http://www.CHRocodile.de)

The new **CHRocodile MI5** performs high-precision, non-contact distance and thickness measurements on solar wafers & solar cells at up to 5 different locations.

It is capable of measuring silicon from one side, quickly and accurately. The sensor is designed for simple and direct integration into the production process. The **CHRocodile MI5** provides real-time measuring data in ASCII-format on all its interfaces.



## Example: Thickness profile-cut of a string-ribbon solar wafer



## Sensor Features:

- High measuring rate: 4 kHz
- High accuracy (in Si): down to 70 nm \*
- z-accuracy: down to 1 nm \*
- Lateral Resolution: 6.5 µm
- Measurement also of GaAs
- Robust measuring head without electronics or light source
- Si-thickness from 7 µm up to 1 mm

\* related to **CHRocodile MI5 250** sensor

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