



Cost-effective and Signal-enhanced silicon ATR Crystal for infrared Spectroscopy

ATR infrared spectroscopy is a widely-used technology to analyze samples of various kinds. Blood analysis using IR spectroscopy is a major subject in current research. Protein analysis using IR spectroscopy suffers from low sensitivity and functionalisation of crystals is expensive and time consuming.

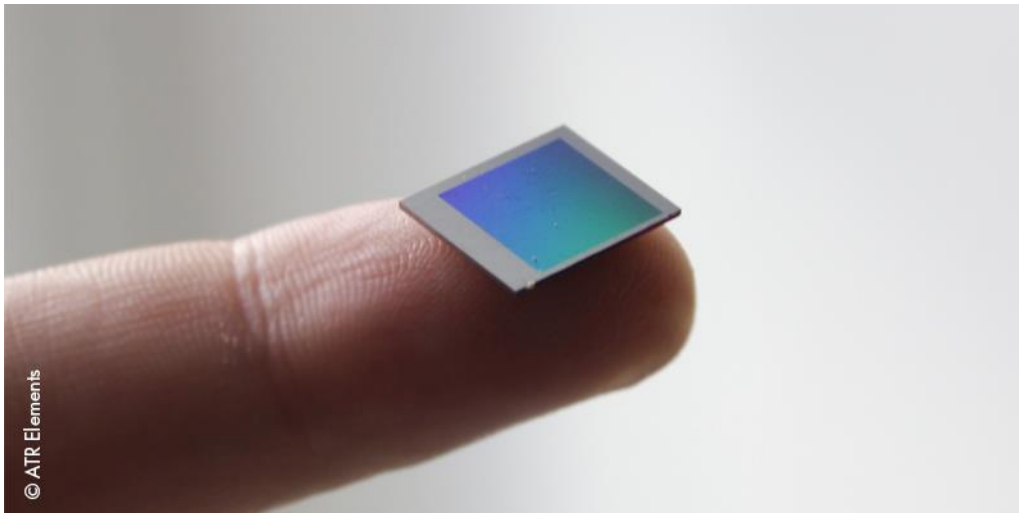
ATR Elements replaces the costly and integrated ATR crystal with a novel inexpensive, interchangeable and sensitive sample carrier.

Benefits:

- Up to 20x more sensitive, due to signal enhancement
- The microstructured surface leads to more accurate results and makes centrifugation no longer necessary
- Up to 1000x cheaper than conventional crystals due to low production costs
- Broad applications field (chemical analysis, functionalization)
- Enables for the first time a ATR high throughput solution (protein analysis in pharma industry)

Product video: <https://www.youtube.com/watch?edit=vd&v=Wjf4RquPluM>

Product picture:



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