

Cleanable Fiber Probes with Process Interfaces



art photonics



FlexiSpec[®]

Process analysis during reaction free from optics contamination

Retractable fiber probes cleaned in process with in-line wash and in-line calibration capabilities

Manual, semi or fully automated process control systems made with control unit UNICAL-FOS 9000

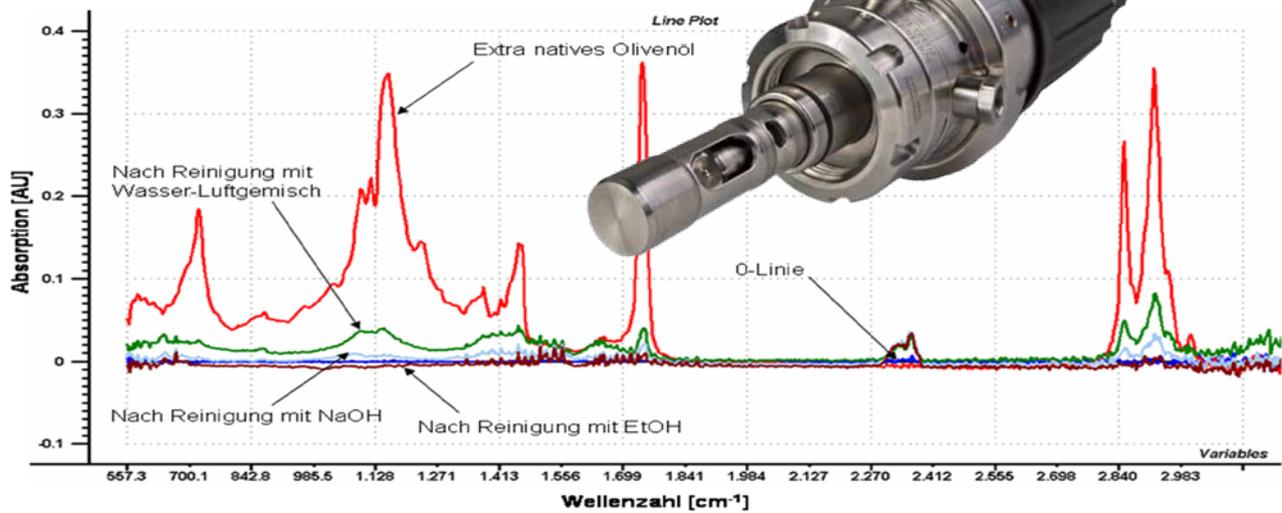
Zero baseline at any time and precise spectroscopy analysis

FlexiSpec[®] probes design enables their use for reaction monitoring with no artifacts caused by optics contamination as they can be retracted, cleaned and calibrated during chemical process. Process-interfaces SensoGate-FOS and Ceramat-FOS made by KNICK with approved fitting & flanges for *FlexiSpec[®]* probes to secure their semi or full automated use in complete process systems.

Applications:

- Reaction Monitoring in real time
- Full Automated Process Control in PAT applications
- Complete cleaning of all parts according GMP, Hygiene, etc.
- Analytical Characterization
- Biopharmaceutical Analysis
- Biofuel Development & Production

Triple cleaning process for ATR-probe on olive oil



Process Control System

