

Quantum Cascade Laser technology



QUANTARED
TECHNOLOGIES

Naizak is happy to announce our partnership with QuantaRed Technologies GmbH. QuantaRed Technologies was founded in 2008 is a leading global provider for Quantum Cascade Laser (QCL) technology.

Products

QuantaRed Technologies are the leading global providers for providing, Laser spectroscopy mid IR QCL - Quantum Cascade Laser Technology:



1. ECOSPEC OIL IN WATER & OIL IN SOIL ANALYZER

- OEM product with origin at Quatared
- Measurement of total hydrocarbons in water as well as in soil
- Safe and low cost extraction with cyclohexane
- Maximum precision in sub-ppm range



2. FAMESPEC-FAME IN JET FUEL ANALYZER

- Based on Quantum Cascade Laser (QCL) technology
- Fast detection of all types of fame
- Fully automated analysis with Autosampler add-on function
- No operator training required



QuantaRed are pioneers in the field of

- QCL Technology
- OIL IN WATER, ASTM D7678
- FAME in jet Fuel analyzer: ASTM D8290

Applications:

OIL IN WATER: Limits and Requirements:

- 15 ppm oil in water (offshore MARPOL 73/78 global)
- 5 ppm oil in water (onshore guideline EU)
- < 5 ppm (Market goal)

QCL Differentiator's to conventional technology

- Portable
- CFC-Free, environmental friendly
- Total oil content
- Precision 1 ppm
- User-friendly and rugged



Wide range of Applications



Process Control



Discharge



FAME in Jet-Fuel



Quality Control Laboratory



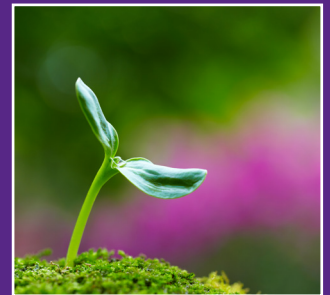
Lipid-co-Processing



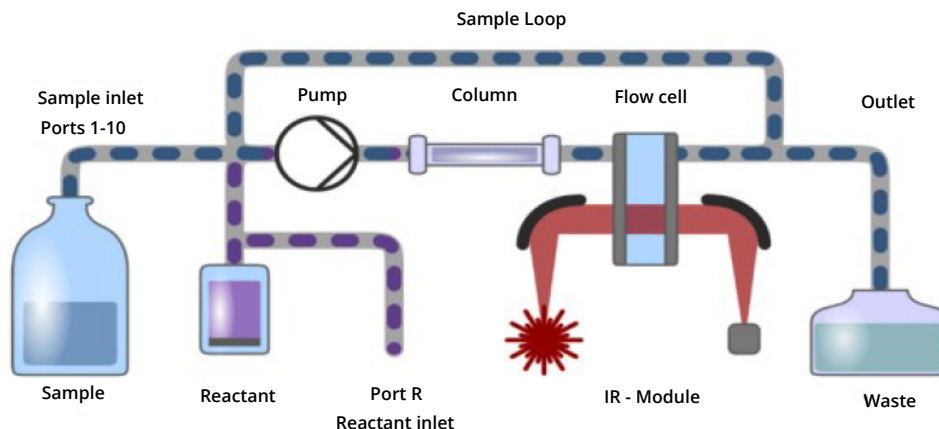
Transportation



FAME in Diesel



Soil Treatment



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