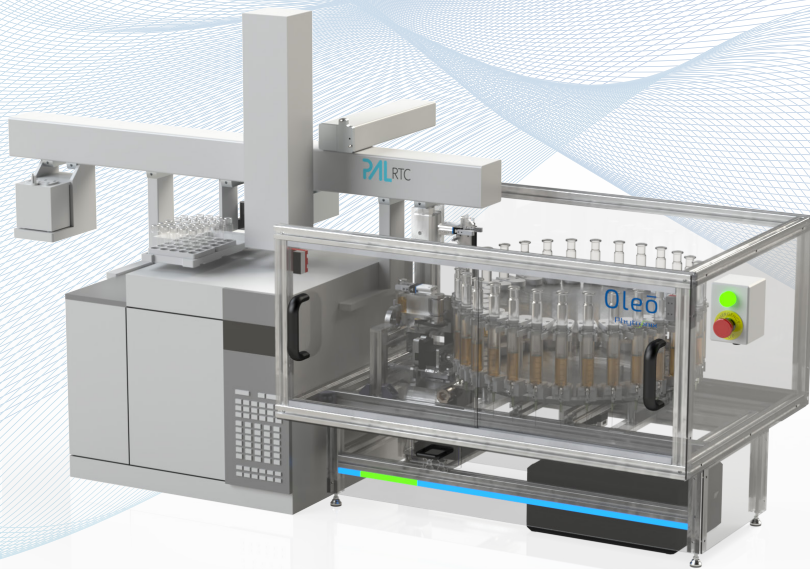


oleo

Automated GC analysis of dissolved gas in oil



The Oleo is a robotic platform that can perform a high throughput analysis of dissolved gas in oil by headspace, such as permanent gases, methane, ethane, ethylene, etc. The PAL3 RTC based Oleo is integrated to the GC through a Chronos interface to enable the injection. The GC can be equipped with a mass spectrometer, TCD or PDHID.

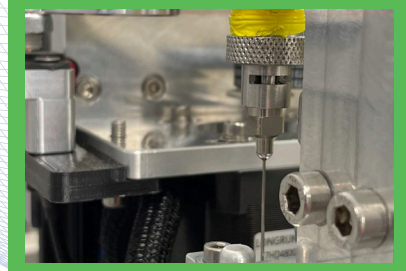
From its 30 glass syringes automated carousel, Oleo delivers the sample into a 20 mL headspace septa tube previously purged with helium.

The fully enclosed Oleo will perform the entire steps from the sampling throughout the headspace injection to minimize user intervention. Samples can be prepared one by one and are synchronized with the acquisition software, to minimize delay time prior to analysis to avoid possible air leaks in the headspace vial and maximize system utilization.

- Eliminate manual sample preparation
- Eliminate manual sample vial purge
- Increase repeatability
- Optimize instrument operation time with automation

Features

- 30 glass syringe carousel
- Helium gas vial purging system
- Adjustable purging time and pressure
- Customizable sample transfer volume
- Adjustable injection volume
- Gas purged injection needle
- Heated injection syringe from 40 to 450°C
- 6-position Agitator
- Agitator temperature range from 30 to 200°C
- Agitation speed 250 to 750 rpm
- Led status bar
- Designed to be interfaced with existing GC, GC-MS, GC-MS/MS
- Easily integrated in existing CDS such as Xcalibur™, ChemStation, MassHunter, MassLynx™ etc.
- Fully controlled via Chronos



Electrical/Gas Specifications

Oleo	120 V~, 60 Hz, 1 A
RTC	100-240 V~, 50-60 Hz, 3 A, 200 W (max)
Compressed air supply	20-100 psi
Helium Supply	20-110 psi