



# LABORATORY AUTOMATION

## SEAL Analytical introduces robotic handling systems

Dedicated. Flexible. Reliable.

Building on 20 year's experience

*Reproducible • Accurate • Minimum user intervention  
Minimize planned downtime • Minimize unplanned downtime*

### IDEAL FOR:

- ▶ Soil analysis
- ▶ BOD
- ▶ COD
- ▶ pH
- ▶ Conductivity
- ▶ Turbidity
- ▶ Alkalinity
- ▶ ISE
- ▶ Color

### AUTOMATION OPTIONS AVAILABLE

- |                    |                   |
|--------------------|-------------------|
| Capping            | Weighing          |
| Decapping          | Filtration        |
| Barcode scanning   | Mixing            |
| Liquid handling    | Homogenizing      |
| Sample splitting   | Air purging       |
| Sample pipetting   | Incubation        |
| Solvent addition   | Custom options    |
| Solvent extraction | Turnkey solutions |



Turnkey packages available on MINILAB Series 1200 – 4000

See reverse for NEW Minilab 1200 BOD System

Distribuido por:  
[www.axflow.es](http://www.axflow.es)



NEW FROM

SEAL  
Analytical



ROBOTIC  
HANDLING  
SYSTEMS

*Fast.*

*Reliable.*

*Compact.*

# Introducing the SEAL Minilab 1200 BOD system



## AUTOMATING BOD

### Cost effective solution for automating Biological Oxygen Demand

SEAL Minilab can automate the typical BOD analysis by automating\*:

- ▶ Sample pipetting, pre-dilutions, barcode reading
- ▶ Bottle capping/de-capping
- ▶ pH measurement & adjusting pH
- ▶ Addition of dilution water
- ▶ Addition of the Nitrification inhibitor (ATU) and/or seed
- ▶ Sample aeration
- ▶ Sample homogenization
- ▶ Measurement of dissolved oxygen
- ▶ BOD results are calculated and validated (according to required regulations)

\* Depending on the options chosen

#### *Easy LIMS integration*

**Multiple electrode options** - other analyses such as pH, conductivity, alkalinity, turbidity and COD can be combined with BOD on the same robot.

Compatible with EPA 405.1/ISO 5815-1/ EN-1899-1/2,  
Standard Methods 5210 B, DIN 38409