

# New HERACLES Neo Electronic Nose



The new generation of HERACLES Neo electronic nose from Alpha MOS features **unsurpassed performance in smell and flavor analysis**.

Combining **dual fast gas chromatography** detection with **powerful data processing based on multivariate statistics** and an **optional module for sensory and chemical characterization**, the instrument is the perfect tool for industrials involved in **quality control and product development**.



AlphaSoft



AroChemBase



AlphaSoft

## BETTER STABILITY

- An **improved fixation of the columns** within the oven ensures a **better retention times stability over time and thus a more robust quality control model**.
- Thanks to **optimized thermal management** of the instrument, a **better thermal stability** is achieved, leading to **improved performance and longer lifespan** of the instrument.

## HIGHER SENSITIVITY & ACCURACY

- The **dynamic range of the detector electronics** has been **increased without compromise on detection limits**. Since major components of the sample are detected without any risk of signal saturation, the sensitivity of the method can be increased for minor compounds. This allows to detect more molecules that can be computed by statistics.
- The **improved temperature regulation** inside the system allows to obtain better chromatographic stability and lower chromatographic noise and artifacts leading to **better signal/noise ratio and thus better sensitivity**.
- The AlphaSoft includes a **new patent-pending method for data processing**. This innovative method can **detect and point out any change on a chromatogram**, at any time, even after the calibration phase of the system. Thus, the electronic nose achieves a **better tracking of all types of chemical and sensory defects that can occur during production**.

## EASIER QC TOOLS

- The new patent-pending method for data processing makes **chromatograms processing easier** by removing the need for an integration step and for external standard injection (chromatograms alignment is automated).
- A **new Quality Control interface specifically designed for Production operators** allows to **easily and rapidly create and launch analysis sequences while avoiding errors**.