EN

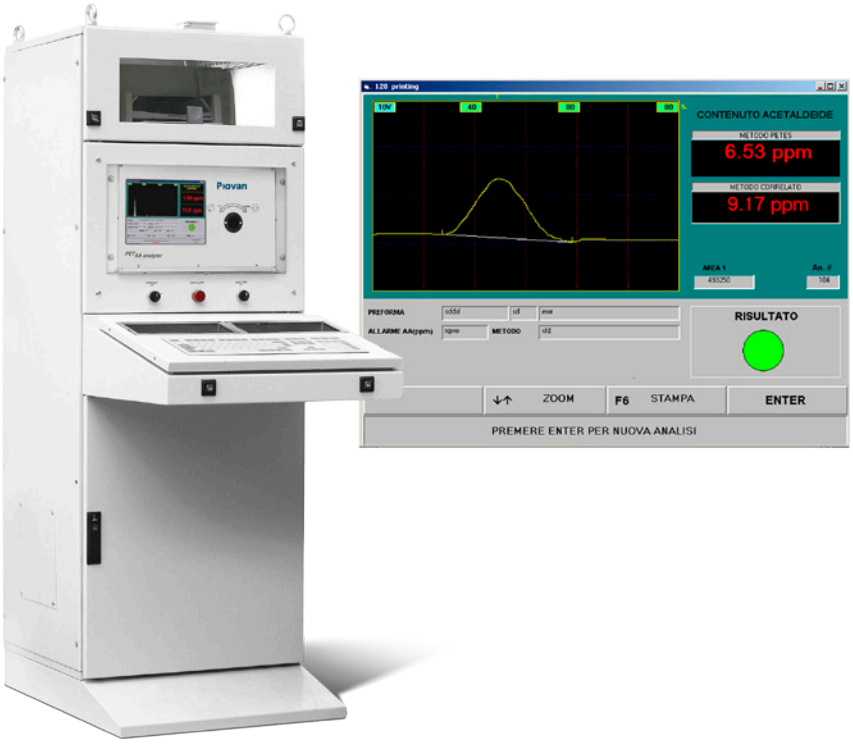
# PETes

## AA Analyzer

## Automatic instrument to measure Acetaldehyde in PET preforms

***Benefits:***

- Reduce the lag time in giving the AA results, increasing the process control
- Make the AA test easy
- No need of skilled personnel
- Placed alongside the injection machine
- Analyse all range of preforms
- No need of sample preparation
- Possibility to compare the results across all PETes
- Reliable, repetitive and reproduceable results
- Completely automatic data elaboration
- Reduce the costs of the AA test




PETes is a method of analysis that allows to measure the acetaldehyde contained in PET preforms in a simple, rapid, reliable, repetitive and repeatable manner. The whole preform is analysed, keeping the principle of the gaschromatography technology. The result is accuracy, stability and repeatability, as the analysis is not anymore subject to any preventative preparation of the sample. One more advantageous characteristic of the PETes AA Analyzer is its compactness. In one single desktop type cabinet, the unit incorporates one de-adsorption cell, one gaschromatograph, one microprocessor control and one colour LCD screen.

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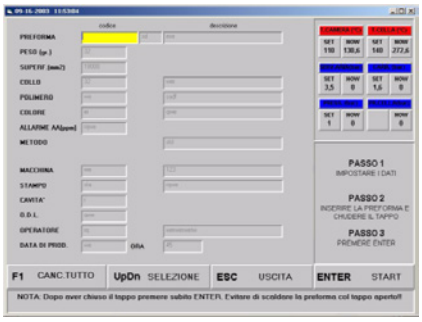
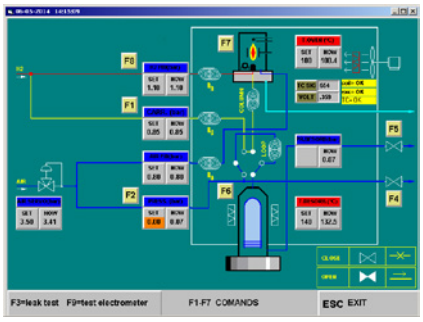
Two versions for the PETes AA Analyzer are available: Lab, for use in a laboratory environment and Turret for industrial usage (production floor). The PETes AA Analyser also features automatic procedure for the gaschromatograph calibration, to be performed with either acetaldehyde solution or ethanol.
The PETes AA Analyzer provides excellent results with reliability of analysis greater than 99% and is recognised as the solution to the common problems and implications the use of conventional AA analysis methods present.

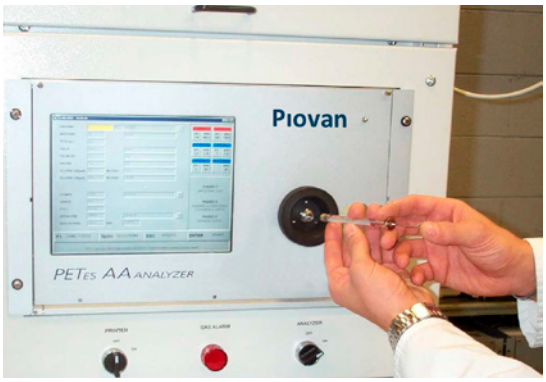




*Control software*

The PETes AA Analyser needs periodical calibration to ensure reliability of the results.
Calibration is made by introducing a solution directly into the cell with a gas chromatography syringe, and it can be made by means of:
• a standard certified solution of Acetaldehyde or
• a solution ethanol/water at 1% (just for verification of the calibration).

An optional automatic sampling valve guarantees high repeatability. The frequency of calibration is dramatically reduced and simplified.





**LAB VERSION**

Designed for a standard lab without creating any interference on the routine work.
Assembled in a box, it requires external utilities (power supply, air, hydrogen and a printer).


**TURRET VERSION**

Easily placed along with the injection machines.
It requires standard compressed air and power supply.