

FIXING RESIDUAL SOLVENTS ISSUES IN FLEXIBLE PACKAGING



FAST MONITORING IN PRODUCTION

Quality control, on raw materials and on final products, is essential to approach and build a profitable collaboration with important and demanding customers. A high residual solvent concentration makes the flexible packaging smell, could modify the food or beverage flavor, may spoil the graphics (ex. blocking of the rolls) and may reduce its mechanical capabilities (ex. delamination). All these issues must be fixed in advance, reducing huge money loss, due to reproduction or reprocessing (reels ventilations), if taken on time.

Now think to a robust device directly installed in production, able to check the first reel produced in less than 8 minutes. This quick test allows the printer staff to correct immediately the following production if any of the present residual solvent concentration runs over acceptable limits. This happens up to three coils in advance of a traditional laboratory GC. Draw the economic consequences by yourself. Neptune 803 does this.

NEPTUNE 803

Neptune analyzer monitors from the raw materials (solvents, inks, adhesives, and raw films) to the final products (printed and laminated materials). 25 years of experience and a third-party lab study demonstrates the complete comparability with the slower lab gas chromatographs and the most relevant method in use (EN13628 & ASTM 1884). It is specifically developed for the flexible packaging industry, designed to be installed in process environment, resistant to thermal shocks and polluted air. Despite all traditional gas chromatographs, Neptune can be used by anyone, even by press operators. The speed of this instrument allows the correction of the production processes, reducing considerably the amount of waste and low-grade final products.

