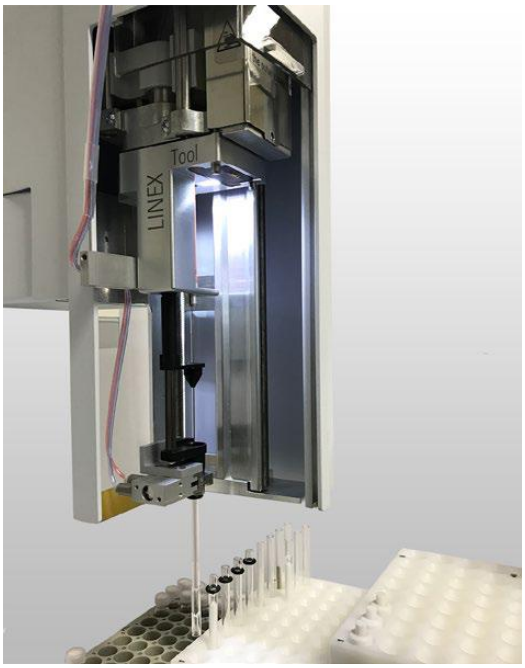
LINEX

Automatic liner change for gas chromatography.



LINEX with gripper and sample carrier. Original image: GL Sciences

DIRECT SAMPLE INTRODUCTION

LINEX automatically transports OPTIC liners between sample carrier and inlet. Liquid and solid samples as well as sorbent-filled tubes can be analysed directly in the inlet. A PAL system handles the handling.

AUTOMATED WORKFLOW

The inlet head opens, LINEX inserts the prepared liner and the head closes. Carrier gas purges the liner; by heating, the analytes are transferred to the column. After analysis, LINEX brings the liner back to the sample carrier and the next cycle begins.

METHODS AND IMPLEMENTATIONS

Direct desorption	Thermal intake desorption, whether or not with Tenax pipes
Difficult matrices	DMI: sample in the microvial within the liner; non-volatile matrix remains in the microvial
Liners and tubes	Standard OPTIC liner; design for 1⁄4 × 3,5 inch pipes
Sample carrier	54 open or 40 closed liners per tray

OPTION: CAPPING / DECAPPING

The optional station closes liners on both sides and opens them immediately before the task. CHROMTECH matches LINEX, PAL system and OPTIC intake to the plant. A liner is the insert for receiving samples in the inlet.

Source and image: GL Sciences, LINEX (2015-GLSBV). Editorial abbreviated English version of CHROMTECH.

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