

# Degrees of separation

The first of two tranches of new chromatography products.

## Horizon Pioneer

**Biotage** [www.biotage.com](http://www.biotage.com)

### HPFC starter kit

Biotage's high-performance flash chromatography technology (HPFC) powers the company's Horizon purification system. The Horizon Pioneer has been designed to provide basic HPFC. It can be upgraded to a full Horizon system by adding fraction collection, ultraviolet detection, or both. The Pioneer has a pump capable of generating pressures exceeding 100 psi and can run at flow rates of up to 100 ml per minute. A multisegmented gradient eliminates the need to pre-mix solvents, and a digital display shows real-time gradient composition and flow rate.

## 200 Series

**Cambridge Scientific Instruments**

[www.camsci.co.uk](http://www.camsci.co.uk)

### Electronic pressure control

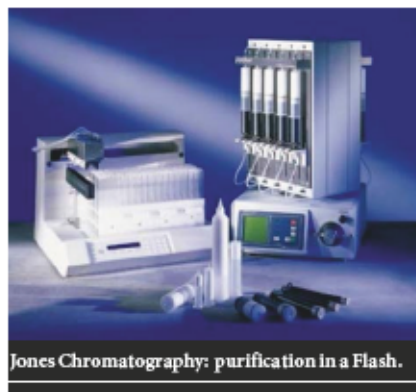
The 200 series gas chromatograph from Cambridge Scientific features electronic pressure control (EPS) as standard. EPS eliminates needle valves and mass flow controllers, improves resolution, reduces analysis time and extends column life, since lower column temperatures can be used. Other features include manual or automatic gas sampling and an internal 'timed event' facility that can be used to control unattended operation or to change parameters during a run.

## FlashMaster Parallel

**Jones Chromatography** [www.jones-chrom.co.uk](http://www.jones-chrom.co.uk)

### Binary gradient capability

The FlashMaster Parallel chromatography system is designed to speed up throughput in parallel organic synthesis purification. It offers parallel purification of up to 10 samples, a disposable column system and fraction collection. The binary gradient function allows



Jones Chromatography: purification in a Flash.

the creation of multi-segment step and linear gradients to cope with difficult separations. The system is especially useful for coupling to commercial parallel organic synthesizers for on-line synthesis purification.

## Chromatography columns

**Omnifit** [www.omnifit.com](http://www.omnifit.com)

### Bores come in all sizes

These columns are available with bores of 3–50 mm, and allow precision liquid chromatography to be carried out in the laboratory. Made of borosilicate glass with PTFE fittings, the columns have minimal dead volume to eliminate sample contamination and ensure smooth solvent flow. All columns and attachments are designed for simple assembly and disassembly. They are suitable for a variety of analytical, preparative and high-performance applications as well as original equipment manufacture.

## 821 Compact

**Metrohm** [www.metrohm.co.uk](http://www.metrohm.co.uk)

### Affordable on-line chromatography

Metrohm's 821 compact on-line ion chromatography system is a simplified version of its more expensive 811 system. The 821 can make sequential determination of anions or cations from up to 10 sample flows. The system contains a PC and a modem for remote maintenance, and software with control cards for measurement results, calibrations and performance checks. It comes with a removable trolley or can be wall-mounted. The 821 needs only monthly maintenance and can be operated by non-skilled chemists with basic training.

## Chromegabond HPLC columns

**ES Industries** [www.esind.com](http://www.esind.com)

### Quality, on the level

ES Industries describes its Chromegabond columns for high-performance liquid chromatography (HPLC) as 'quality defined', promising optimization of spherical silica, bonding reagents and procedures, batch testing, column packing and final column testing. The columns can be used at all levels of analysis, including method development, liquid chromatography/mass spectrometry analysis and quality control.

## Cyclograph II

**Analtech** [www.analtech.com](http://www.analtech.com)

### Get out of a scrape

The Cyclograph II chromatography system from Analtech uses centrifugal force to pro-



Omnifit columns, pure and simple.

duce thin-layer radial separations. The compound to be separated is applied inside the adsorbent ring of the pre-cast rotor and the selected solvent mixture is then pumped through the adsorbent layer. The centrifugal force of the rotor accelerates the normally slow capillary action of the solvent through the layer and fractions are collected within about 20 minutes. There is no need to scrape separated bands from the layer. The system features a built-in ultraviolet lamp, hinged lid, touch pad control system and drop-in rotor mounting.

*These notes are compiled in the Nature office from information provided by the manufacturers.*