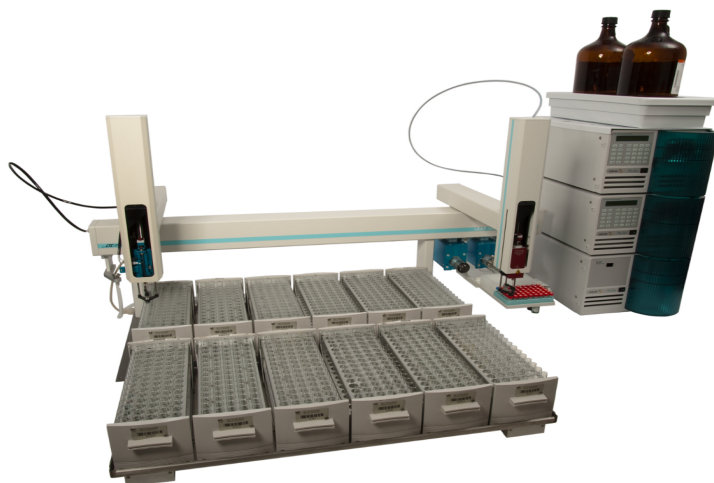


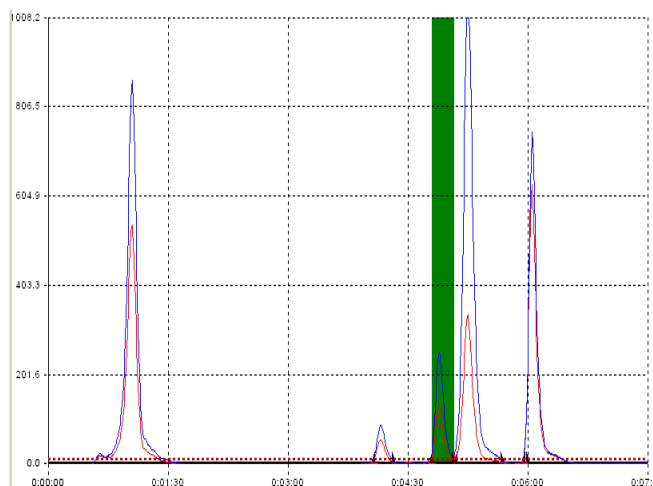
Peak Harvester and Purific

AUTOMATED SAMPLE PURIFICATION & FRACTIONATION



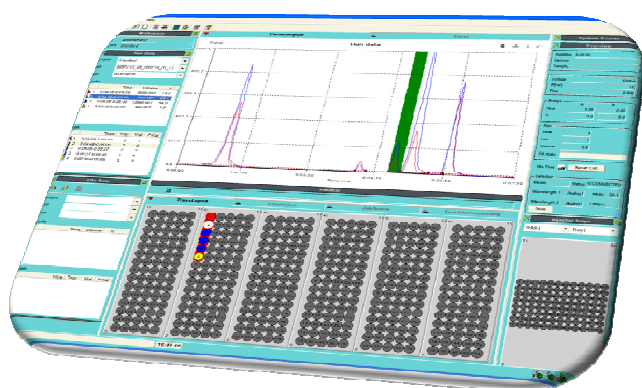
Large Bed Purific with 12 Gilson racks.

The Purific™ is the latest fully automated turn-key system from LEAP Technologies for isolating target compounds from complex samples. It is compatible with a wide range of sample sizes and a wide range of HPLC columns.



Key Benefits:

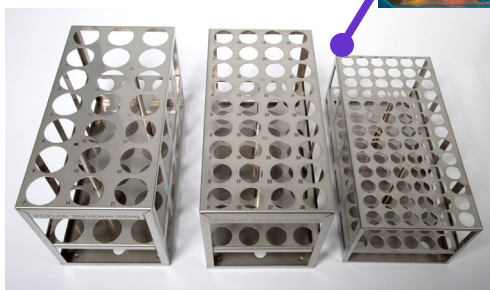
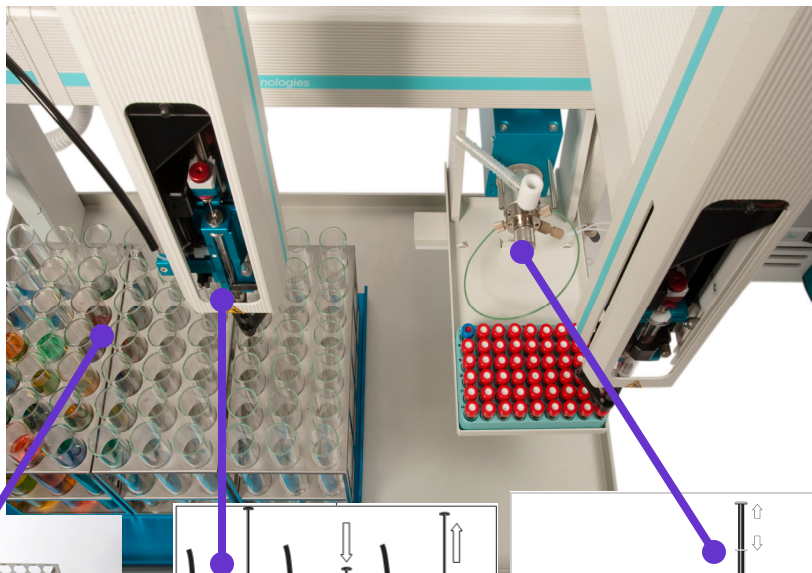
- ▶ **Powerful.** Automation saves time without compromising purification quality. Get excellent sample recovery in less time with much less effort...
- ▶ **User Friendly.** The intuitive software interface makes setup and record keeping easy.
- ▶ **Versatile.** Time-Based, Peak-Based collection.



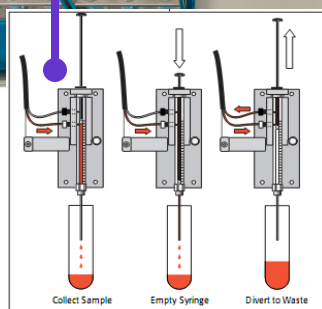
Small Footprint MiniPurific fits fume hood.

THE ROBOT

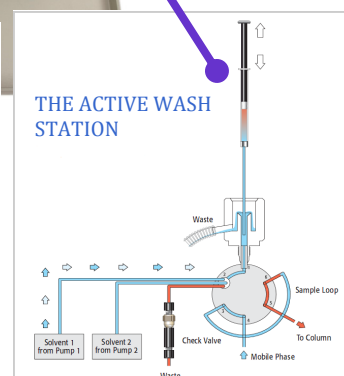
- ▶ XYZ robot with dual head limits carryover and increases throughput.
- ▶ Syringe only concept, no tubing in sample path.
- ▶ Precise sample handling for dependable and repeatable purification results.
- ▶ Anti-Static solvent lines.
- ▶ Automated switching procedures to clean and equilibrate column doubles the throughput with optional 10 port valve.
- ▶ Accessibility to all maintenance parts from front.



THE COLLECTION RACKS



THE COLLECTION SYRINGE



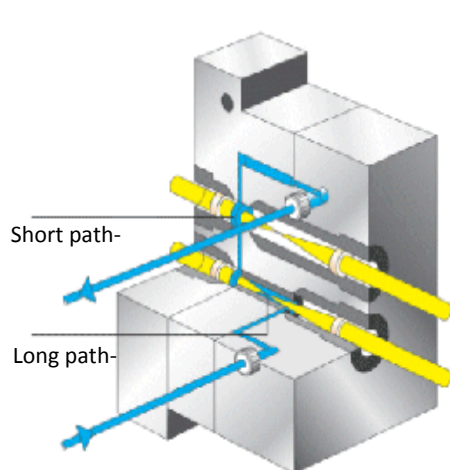
Large Bed Purific with racks.



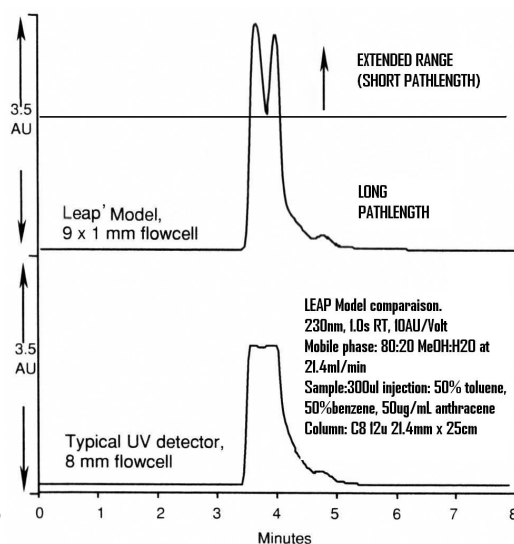
Large Bed Purific with stacks.

THE HPLC WITH UNIQUE UV-Vis DETECTOR

- ▶ Wide range of flow rates (0.01-100ml/min); virtually all application needs are covered.
- ▶ Smooth, precise solvent flow and system pressure are maintained with a built-in pressure unit .
- ▶ User friendly pump heads are self-contained units that can be rapidly exchanged.
- ▶ Flow accuracy: $\pm 1\%$ of selected flow rate or $\pm 0.05\%$ of maximum flow rate, whichever is larger (0.1% for 5 mL heads).
- ▶ Flow reproducibility: $\pm 0.1\%$ of selected flow rate or $\pm 0.05\%$ of maximum flow rate, whichever is larger (0.1% for 5 ml heads).
- ▶ From 190 to 900nm with drift less than 1 mAU/hr the detector delivers a superb sensitivity and wide dynamic range.
- ▶ Routine maintenance is easy with front panel access. Thumb screws secure the lamps and flow cells making access and exchange tool free.
- ▶ Two independent channels analog-to-digital conversion for analog chromatographic detector (eg: ELSD, MS)



Flow Cell: Dynamic absorbance range up to 40 times more than conventional detectors with dual pathlength flow cells.

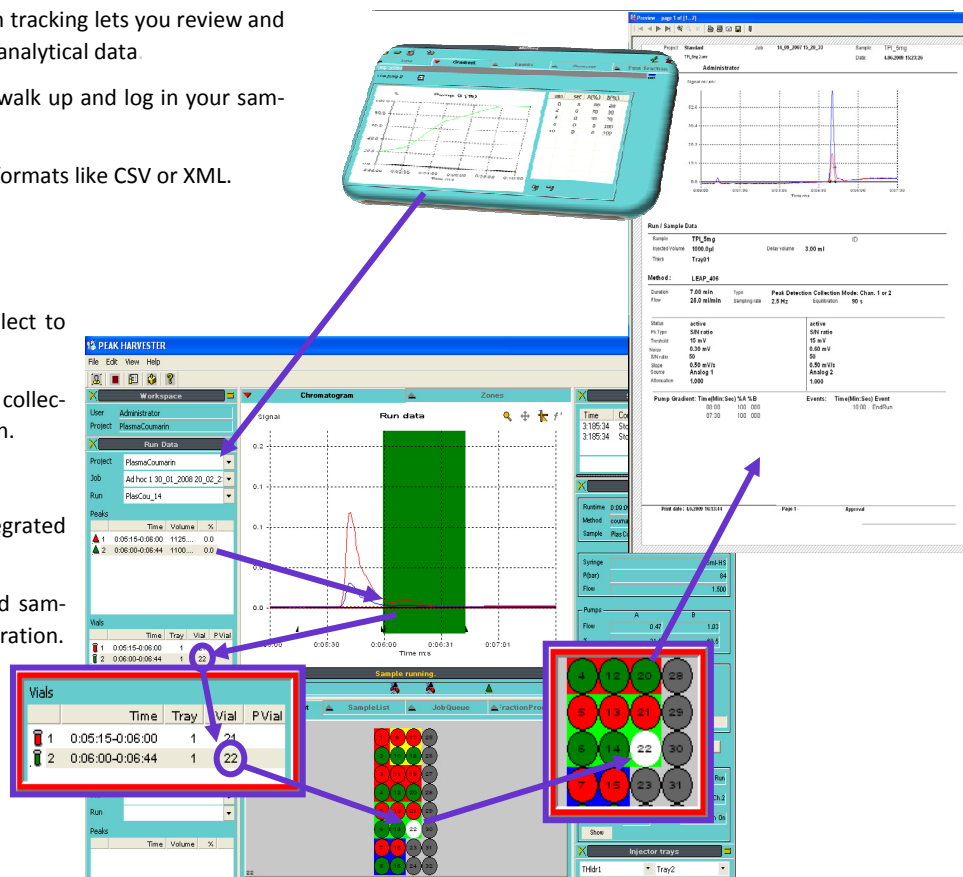
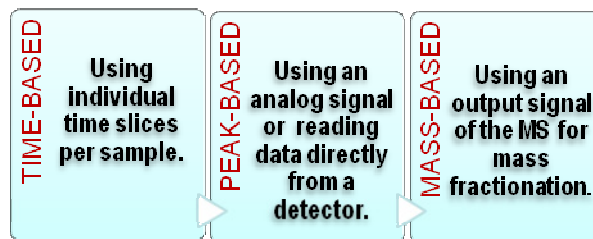


Extended Range Operation:

The detector constantly samples both beams and records offset constants, even in analytical operation. Because of this, the detector has in memory the necessary constants to mathematically scale and seamlessly extend long path response with the short path response. During extended range operation, the long pathlength is constantly sampled, and as absorbance decreases there is a seamless switch back to dual beam operation in normal range.

PeakHarvester™ Control

- Specifically designed to control every step of the purification process.
- Quickly create and customize new methods.
- "Smart" fraction collection on two signals simultaneously: Time and/or slope and/or threshold.
- Repeat injection can be collect on same fraction sites.
- Color coded sample and fraction tracking lets you review and report an enormous amount of analytical data.
- Open access interface lets you walk up and log in your samples anytime.
- Accept sample lists in different formats like CSV or XML.
- Bare code capable.
- Choice of collection pattern.
- Inject or re-inject from and collect to any racks or stacks.
- Automatic end of the run after collection reduce solvent consumption.
- Detect and cancel signal noise.
- UV Wavelength settings integrated into the sample method.
- Remove collection rack and add samples during the run for 24/7 operation.
- Error handling and monitoring system.



Purific General Specifications

Fraction capacity*	MiniPurific	LargeBed Purific
Deepwell plates	6	24
9ml test tubes	234	1094
12 or 20ml test tubes	150	700
27 or 34ml test tubes	108	504
55 ml test tubes	294	63
Gilson 215 racks	2	12
Dimension	L:690mm D:690mm H:690mm	L:1428mm D:1000mm H:670mm

*Custom racks holder available on request

System type	XYZ robot with syringe only concept, no tubing in sample path
Local User Interface	Control panel with 4 function keys, graphical LCD display, unique scroll knob for teach functions
Remote control	Peak Harvester control software Windows XP/Vista
Maintenance	Accessibility to all maintenance parts from front. Preventive maintenance kits available
Pump	Varian Prostar 210 Varian SD1
Detector	Varian UV-Vis Dual Wavelength 325 Varian Photodiode array 335
Signal acquisition	Varian 850-MIB Data System Interface provides 2 analog-to-digital conversion for analog chromatographic e.g., ELSD, MS...

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