

## Experience and Innovation

PIC SOLUTION is a company specialized in Supercritical Fluid Chromatography (SFC).

With more than 13 years of experience and expertise, in equipment design and laboratory applications, our know-how caters perfectly to the need of separation laboratories where the goal is to obtain highly pure molecules.

The multiple patents that we filed in the last few years are a testimony of our commitment to the development of this technology with a dynamic approach of Research and Development.

## SFC, Separation Technology of Tomorrow

- **High performance**

Purity higher than 99% with high recovery yield (>95%)  
Highly concentrated purified samples.

- **Time saving**

Fast separation, typically in less than 5 min.

- **Cost reduction**

CO<sub>2</sub> is less expensive than solvents used in liquid chromatography  
On-line recycling of CO<sub>2</sub> in the process.

- **A safe and environmentally friendly process**

CO<sub>2</sub> is non toxic and non flammable compared to typical organic liquid solvent (hexanes, heptanes, chlorinated solvents...).

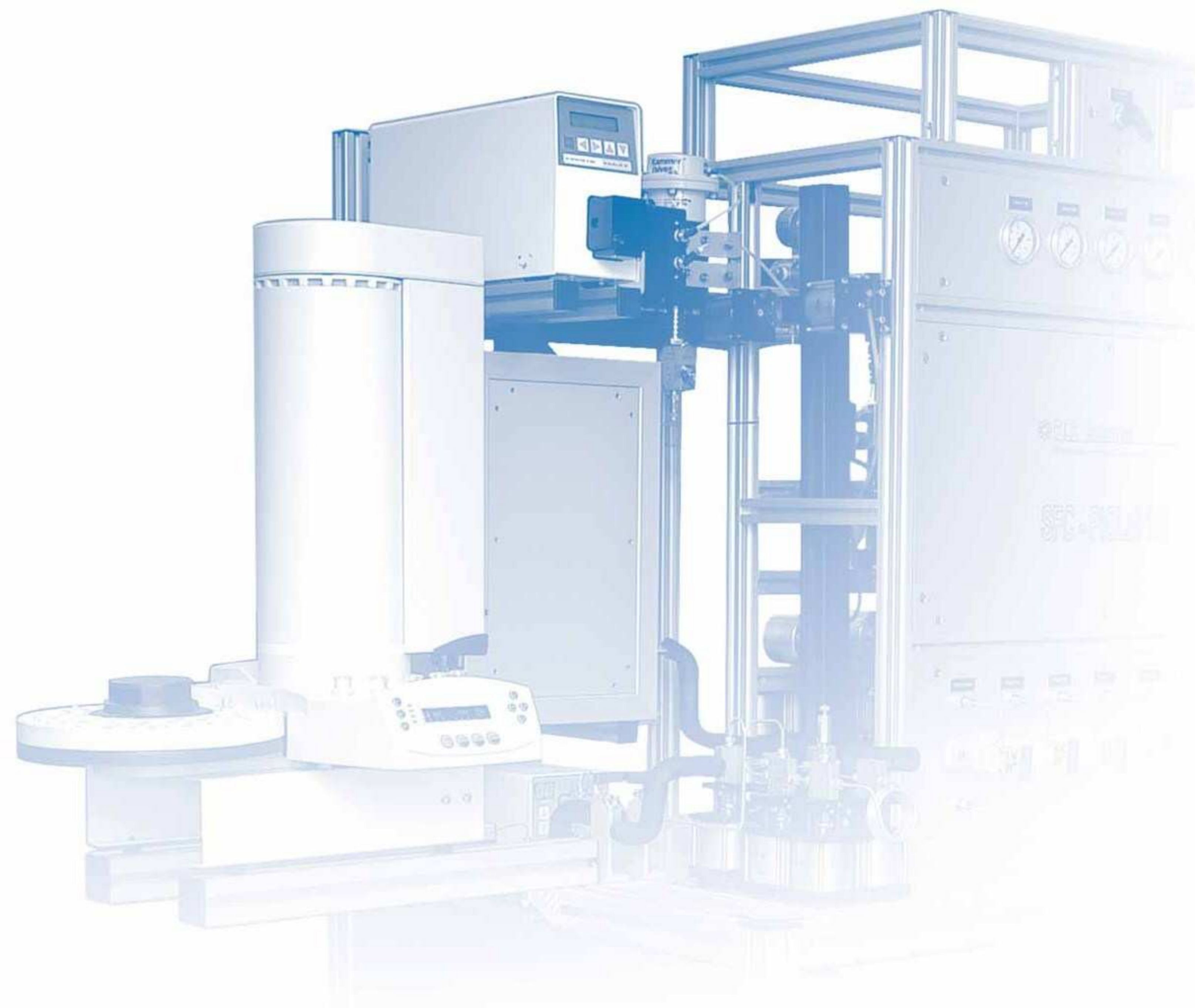
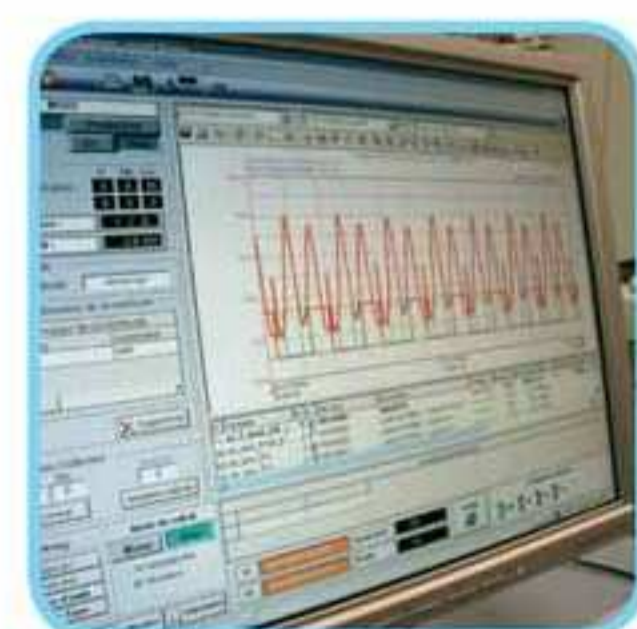
- **Chiral separations**

SFC, a technology of choice for enantiomeric resolution.

## We provide the most adequate solution

Based on our solid experience in preparative chromatography, we offer solutions "tailored" to your specific needs in order to make your every day purification tasks easier.

Our expertise and the quality of our equipments gained market recognition among the top pharmaceutical and fine chemical companies.



## Produits

- **SFC-PICLAB PREP:**  
Preparative unit for sample purification from gram to Kilogram scale.
- **SFC-PICLAB ANALYTIC:**  
Analytical system for method development with fraction collection.
- **SFC-PICLAB HYBRID:**  
Analytical method development and preparative purification up to 100 grams scale on the same system.
- **HPLC-PICLAB PREP:**  
Preparative liquid chromatography system at laboratory scale.
- **FlexPacker:**  
Flexible and innovative system for the packing, on the same skid, of preparative columns of different diameters designed for SFC, HPLC and SMB.
- **Semi Preparative SFC columns:**  
designed for high pressure (300 bars).

Our SFC systems feature the latest innovations developed and patented by PIC SOLUTION: co-solvent addition at constant pressure, and CO<sub>2</sub> recycling with automatic adjustment of modifier ratio for a better reproducibility.

For detailed specifications, see products data sheet.

## Services

Helping you mastering a new technology...

- We provide a personal training based on 13 years of experience in SFC and HPLC fields.
- Consulting services: you will benefit from our extensive experience to develop or improve your separation processes.
- Our SFC systems are available for lease.
- Column packing service for HPLC and SFC.