



Bioreactor Control Solutions and Data Management for Research & Process Development Labs

Whether your needs are new, best-in-class bioreactor controllers, modernizing older reactors' controls, or enterprise-wide, web-based batch control and data management software, ILS Automation wants to earn your business.

We listen to our customers & work side-by-side with them to continuously improve our products & processes. This partnership has led us to become experts in fermentation & cell-culture hardware design & process control strategies.



Batch Expert+ Software

Batch Expert+ is a **web-based, real-time** batch fermentation/cell-culture control system that lets you integrate & manage all of your bioreactors through a single interface from *ANYWHERE*.

- ✓ Direct Interface to Legacy Controllers B. Braun, Sartorius, NBS, Eppendorf, DASGIP, Applikon, & more
- ✓ Reporting
- ✓ Integrate Your On-line & Off-line Instruments: Mass Spec, Cell Density, Pumps, Scales, Mass Flow
- ✓ Scheduling
- ✓ Intelligent Alarming & Alarm Management
- ✓ Trend Charting
- ✓ Built-In Historian, Non-Proprietary SQL DB
- ✓ Open Architecture, Extensible, Customizable



Live & Historical Data



Fermentation & Cell-Culture Bioreactor Control Systems

Our AFC line of controllers are designed with long-term support & operation in mind. Drop-in replacement controllers, automated SIP/CIP, and **fully customized solutions**.

ILS Design Principles:

- ✓ We use open, non-proprietary, readily-available quality components
- ✓ We design our equipment to be serviceable by you or us
- ✓ We design solutions that are customized to your needs
- ✓ We customize software & user interfaces to suit your requirements
- ✓ We provide complete documentation & source code
- ✓ We provide ongoing, personal support for our customers & products



AFC 927 dual bioreactor controller



AFC 2000 semi-custom bioreactor controller designed to fit into existing cabinetry



Who Is ILS Automation?

Founded in 2001, ILS Automation has been providing automation systems for a wide variety of industries including: laboratory, batch, chemical process, oil refining, & manufacturing. ILS has deep experience in process control, electrical design, & software engineering.

As our business grew, we realized that a competitive advantage could be gained by offering not only software, but also custom-built hardware to control the products that our software was designed for — with an emphasis on **easy, affordable integration**.

Our customers are scientists and engineers that are looking for improvements in their processes through better and more reliable technology. They recognize the limitations of the off-the-shelf, closed solutions and count on us to take them to the next level of process development.



ILS Automation, Inc.
PO Box 1309
Warrenville, IL 60555

(267) 907-9507
info@ils-automation.com
ils-automation.com

