

TECHNIKROM®



Bioprocess LC Systems

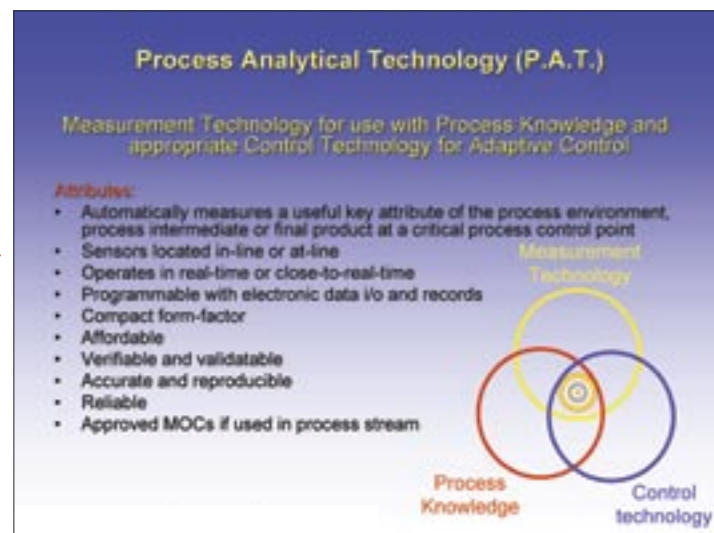
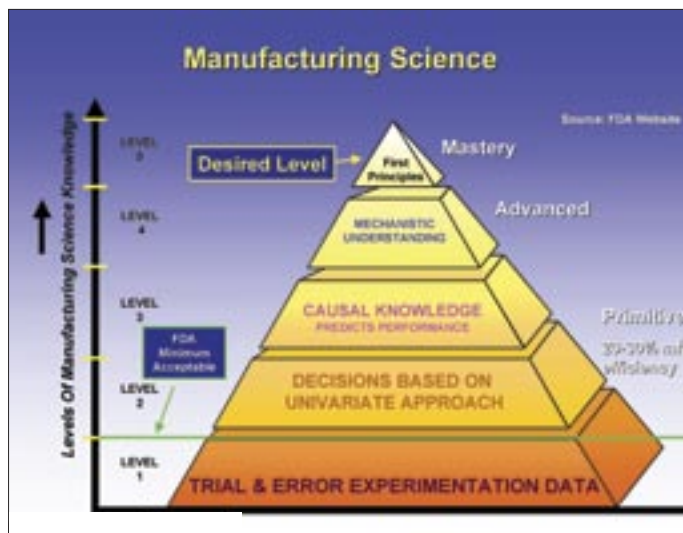
For the purification of biological compounds

- Bioprocess systems with exceptional process control and reproducibility
- Adaptive PAT to monitor, correct and deliver incoming buffer streams to within 0.1% accuracy
- Accurate buffer blending for isocratic, step & linear gradients on any scale
- Inline dilution of buffer concentrates
- Flow rates from 25 ml to 250 liter/min

“Designed by Chromatographers”™

TECHNIKROM® 

World class performance via Manufacturing Science



Manufacturing Science Leads to TechniKrom Adaptive PAT™

Traceable

Every piece of the system in contact with product, including piping, valves, sensors, etc. is given an individual serial number for complete traceability. Heat sheets, certificates of compliance, welding logs and boroscopic examination reports are provided.

Sanitary Bioprocess Design

Sanitary design with cluster valves, sanitary fittings and minimized piping runs for low dead volume flow path. All product contact areas are electropolished and connections orbitally welded and boroscopically inspected in accordance with ASME-BPE.

Automated Buffer Concentrate Dilution

Adaptive PAT™ provides point of use dilution and make-up confirmation to permit the use of buffer concentrates from bags or tanks.

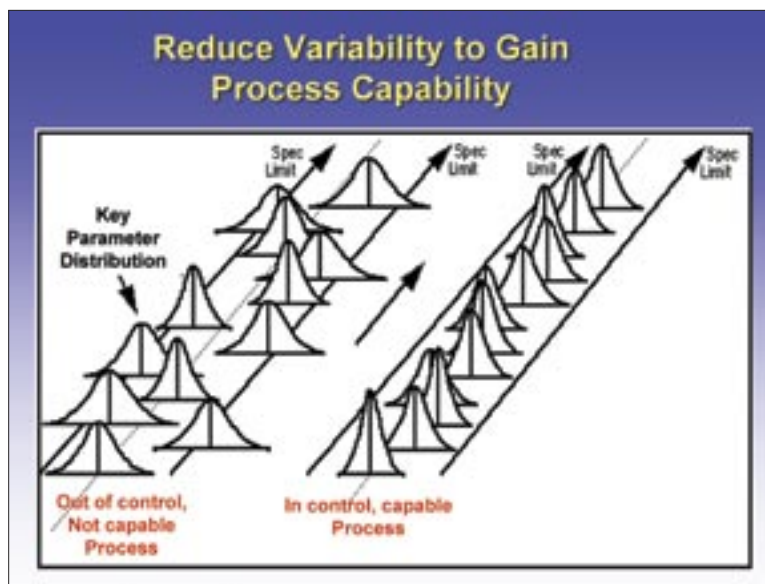
FDA and Six-Sigma = reduce process variability

Adaptive process analytical technology is used to both correct incoming buffer streams and to generate exceptionally accurate and reproducible steps or gradients.



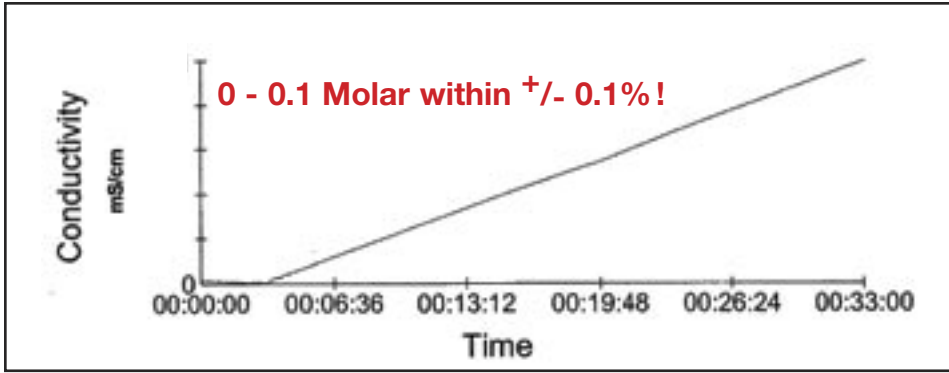
FDA requirements for innate quality

Lowest cost of manufacturing per Six-Sigma



Use PAT to achieve 0.1% accuracy and reproducibility

Performance: Buffer Dilution and Gradient Formation with Adaptive PAT™



1. ACCURATE

Proprietary solvent blending guarantees exact mobile phase generation every time!

2. REPRODUCIBLE

Accurate mobile phase blending enables incredible run to run reproducibility.

Bioprocess Control Software

GAMP-4 AND 21 CFR PART 11 Graphic interface and intuitive software is strictly compliant with 21 CFR Part 11 requirements and fully validated using ISPE GAMP-4 guidelines.



Bioprocess LC Systems



Comprehensive IQ/OQ Validation Documentation Package

Best in the industry, well-organized and comprehensive

- Designed to meet FDA recommended protocols and requirements
- Cuts your validation timeline from months to days.

TechniKrom designs, builds and tests all equipment in accordance with FDA, ISPE GAMP-4, ASME-BPE, UL, and international codes (e.g. ATEX). A project engineering manager coordinates each project and works with you directly, from the design phase to the final installation and training.

Built on industrial 316L stainless steel platforms, all systems are manufactured with the highest level of validated sanitary design. They include individually PIN stamped components, boroscoped piping welds, 21 CFR Part 11 process control systems (customer specified or Delta V, Allen Bradley, etc.)

Comprehensive IQ/OQ validation package includes TechniKrom's world-class validation protocol and system documentation. The validation package provides detailed testing reports on all IQ/OQ validation procedures (over 200 tests) as well as all component manuals, test certificates and documentation. Our clients have been able to cut validation times from months to days using our validation package.

Delivery

We pride ourselves on the fastest delivery times in the industry.

Warranty and Technical Support

One year extendable warranty, service contracts and 24 hour response time in the United States means peace of mind and quick support when you need it.

TECHNIKROM® 

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