



Zajac Quick Facts

Average length of employment:	20+ YEARS	30,000 SQ. FT OF MANUFACTURING SPACE
Longest customer relationship:	34+ YEARS	23' Max. clearing height
All in-house resources serving:	5 Different Industries	UL 508a listed panel shop
Total number of employees:	110	In-house CWI
		ASME code shop (U, R, PP)

SINCE 1975 we have been helping our customers achieve their most important liquid processing and packaging goals. At Zajac, we approach every project with our unique combination of expertise, collaboration and responsiveness.

Zajac Overview

We support our biotechnology and pharmaceuticals customers by providing Front-end process design solutions and technical resources for project execution and start-up.

- GMP improvements and recommendations
- P&ID development
- New equipment integrations
- Qualification documentation
- Commissioning and start up assistance
- Concept development and project budget
- Project scope and RFQ documents
- URS and FDS development
- IQ/OQ testing

Process module Fabrication

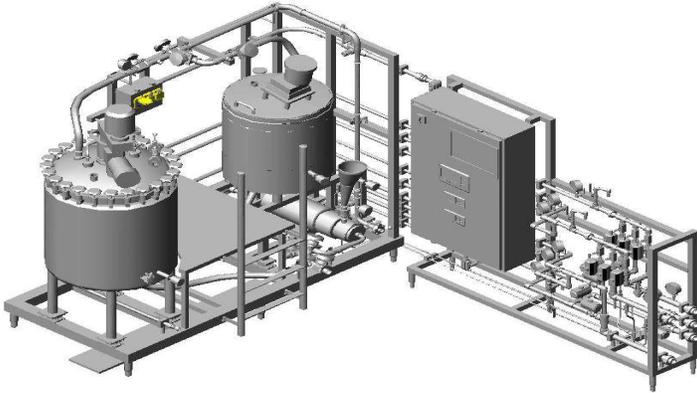
Zajac designs and builds a Full line of bio-process equipment in accordance with ISPE, GAMP-4, ASME, ASME-BPE, NEC, UL and FDA guidelines.

- Customer process skids
- CIP modules
- Tangential Flow Filtration
- Buffer blending dilution
- Solvent blending module
- pH adjustment module
- Valve arrays

High purity piping installation

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- Process Piping Code (B31.3)
- Boiler and Pressure Code ASME section IX
- Bio-processing Equipment (ASME, BPE)



Zajac Services

On biotechnology and pharmaceuticals customers use us to assist with plant wide initiatives including GMP improvements, process & CIP optimization and equipment modifications.

Our turnkey capabilities and experience result in efficient project execution and optimal control of schedule and quality:

- Engineering
- Specialty welding
- Fabrication
- Packaging design
- Automation
- CAD design
- Electrical panels
- Seal replacement
- High purity piping
- Pump laser alignment
- Utility piping

Automation & Electrical Engineering

The Zajac automation team delivers the latest in manufacturing control and information systems technology. Our integration services include compliance and experience with GAMP 4/5, 21 CFR part 11 guidelines and S88 batch programming methodology.



Plant Welding Services

Zajac's field services installers provide piping installations and structural welding services. Automatic welding machines are available for high purity tube welding from 1/2" to 6". All Zajac mechanical installers are safety trained and certified by in house and OSHA compliant third-party professionals.

Elastomer Change-out Program

Zajac technicians are trained to replace seals and maintain most process flow equipment in the biotechnology and pharmaceutical industry. We have strict procedures for component handling, seal replacement, re-installation and deliverable documentation to make your elastomer changeover as simple and efficient as possible.

Calibrations & Instrument Repair

Zajac's instrument technicians are trained to trouble shoot and calibrate process instruments devices. We perform routine calibration as well as commissioning and start up support. Instrument calibration is performed with our NIST traceable meters and testing devices. The test results and corrective measures are documented as part of the turn-over package.



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