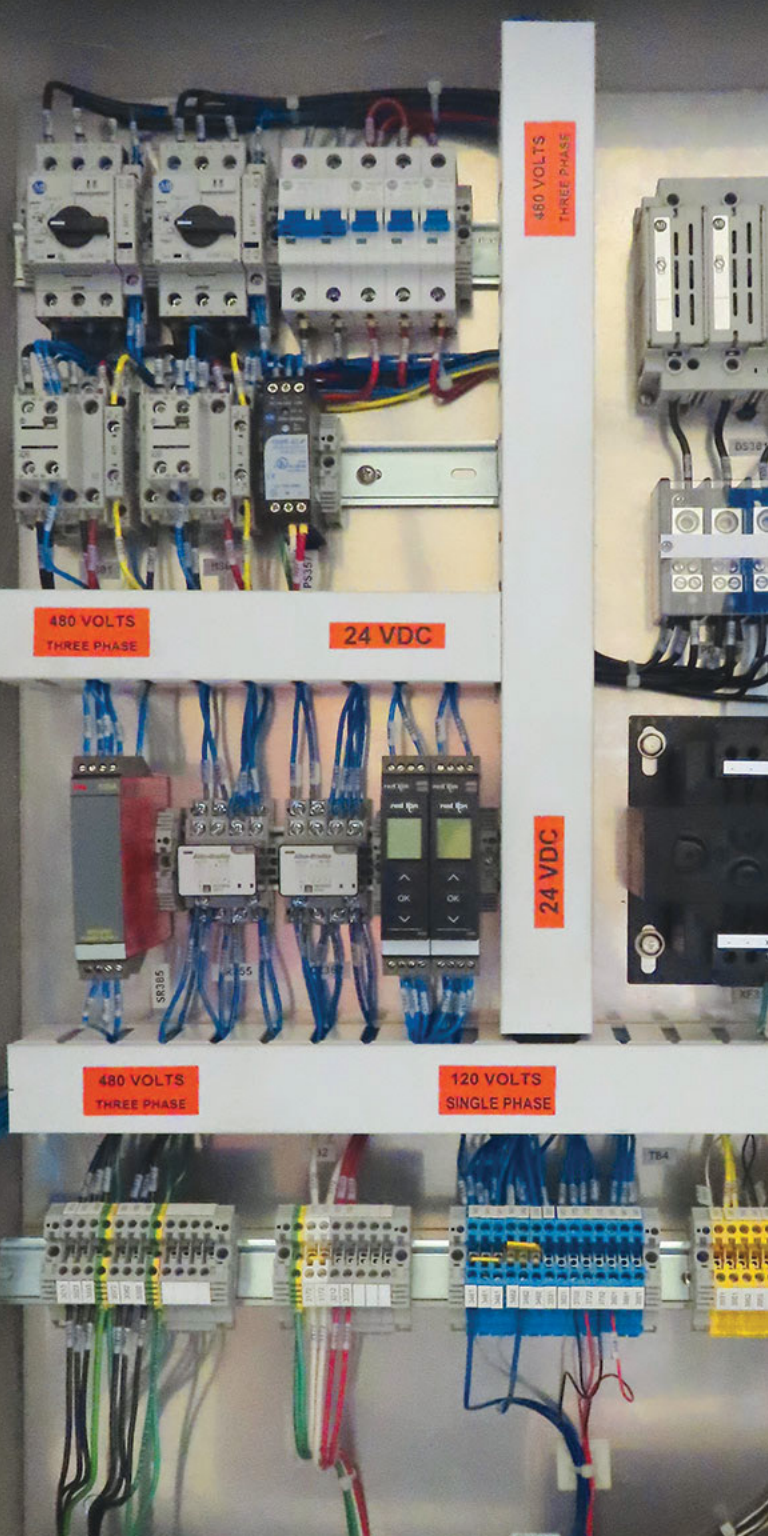




AmeriChem Systems Inc.

CUSTOM
ENGINEERED

EQUIPMENT
SOLUTIONS



Americhem Systems, Inc.

is a custom engineered, modular equipment fabricator located just outside of Chicago, Illinois.

We've been in business 30+ years and have supplied equipment to some of the largest companies in the world.

We pride ourselves on becoming the supplier of choice for corrosion resistant, custom engineered, process and automation equipment.





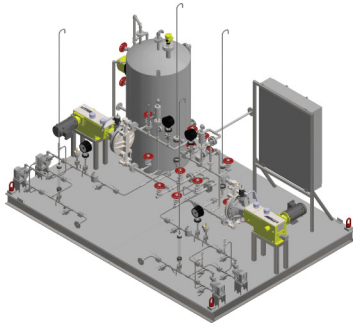
SOLUTIONS

We serve specific markets by working exclusively with piping and components of corrosion resistant materials. The design, engineering, drafting, welding, fabrication, and testing of our products are all done in-house. We follow all industry applicable standards in ASME, AWS, API, UL, NEC, and NFPA.



CHEMICAL FEED SYSTEMS

From strong acids to bases to proprietary chemistries, our chemical feed systems are custom-designed and fabricated specifically for any application. These packaged units are fabricated from corrosion-resistant materials by our certified fabricators, welders, and electricians. These units are fully tested in our facility for minimal installation time at the site.



Boiler Treatment Chemical Injection Package

Low-pressure, neat-feed chemical metering pumps and high-pressure injection pumps mounted on a common base frame.

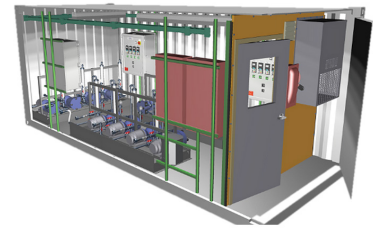


Chemical Feed System with Integral Tote

Duplex chemical injection pump system with integrated permanent base tote and removable re-fill tote.

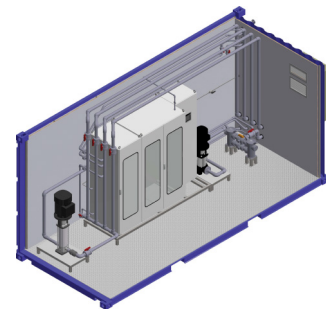
CONTAINERIZED SYSTEMS

If you need to demonstrate an application or are in need of moving the system around a site, a pre-fabricated containerized package is the perfect solution. Modified from standard shipping containers, these packages are outfitted with insulated walls, LED lighting, and HVAC systems making them a perfect plug-and-play module for your site.



Chemical Feed System Container

Standard 20' equipment container outfitted with chemical feed equipment, control panels, lighting, HVAC, and access door.



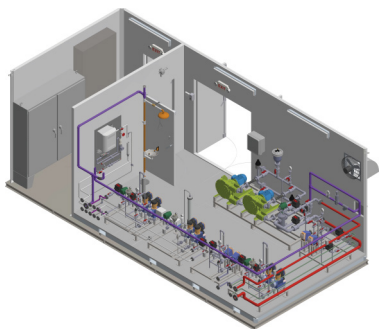
Water Treatment Equipment Container

High Cube 20' equipment container outfitted with pre-fabricated water treatment equipment, power distribution, lighting, HVAC, and access door.



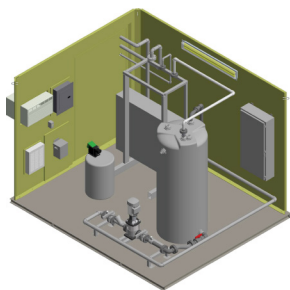
CUSTOM EQUIPMENT ENCLOSURES

Custom fiberglass equipment enclosures are designed for housing equipment where the space inside of a building [at the site] is limited. These enclosures are corrosion-resistant and designed to withstand harsh environments. Packages can be built to any size, to house any of our custom-fabricated equipment, making them the perfect extension to the existing facility.



Cooling Tower Water Treatment Building

Fiberglass shelter with multiple chemical feed systems and separate control room for electrical equipment.

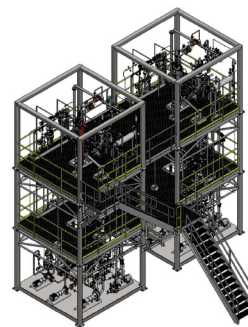


Reverse Osmosis Water Treatment Building

Compact fiberglass structure outfitted with RO equipment, power distribution, lighting, heater, and access door.

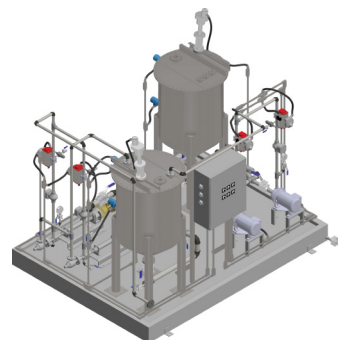
CUSTOM PROCESS SYSTEMS

With ASI's custom process systems, we solve problems where standard equipment solutions won't work. From batch processes and mixing solutions, to custom test stands — our systems are engineered to work with your process and existing space. Typically controlled with a PLC, these process systems operate independently and remotely with data transmission back to the plant control system.



Bioreactor Pilot Plant

3-Story, 2-Tower pilot plant with ASME-code reactor vessels, welded 316SS piping and 316SS tubing.



Custom Batch Mix Tank System

Pre-packaged equipment system for batch mixing of chemicals, and progressive cavity metering pumps for distribution of blended product.



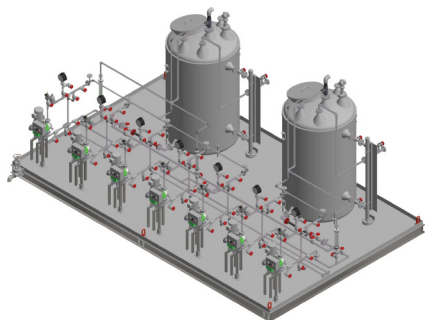
INTEGRATED TANK PACKAGES

There are many different options for storage tanks and vessels depending on the chemical being stored and the location of the installation. The ASI engineering team will work with you to select the proper tank for the application. Also included in these packages are vents, relief valves, level instruments, dryers, fill lines, and drain connections.



Caustic Chemical Feed System

Duplex 50% sodium hydroxide feed system with API-675 diaphragm metering pumps and two API-650 storage tanks with interconnecting piping.

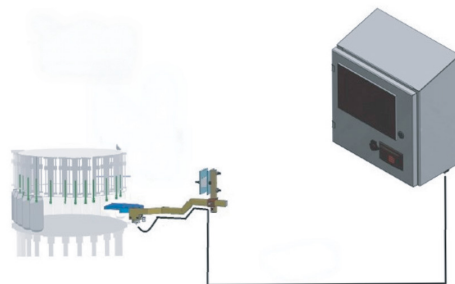


Coagulant Chemical Injection Package

Seven-pump chemical injection system with two fiberglass storage tanks integrally mounted and piped on a common base frame.

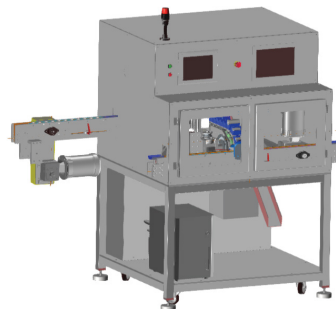
CUSTOM AUTOMATION SOLUTIONS

Our engineers work with the latest versions of mechanical and electrical design software to optimize the configuration and size of your system. These capabilities, coupled with our expert assembly team, allow us to feel confident that we will build you the most energy, space, and cost effective system available for your application.



Filling Machine RFID System

State of the art traceable components and systems to reduce waste and downtime associated with the filling process.



High Speed Laser Marking Machine

This solution features a small footprint and infeed and outfeed conveyors. With a capacity of marking up to 3 parts per second, and incorporates pre-mark inspection and post-marking inspection.



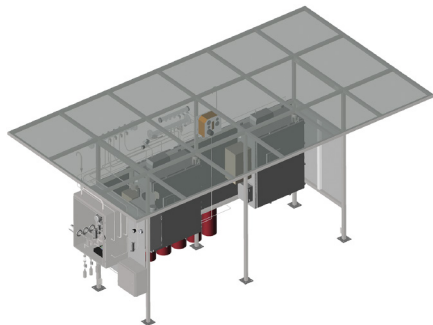
CUSTOM PANELS

Custom panels can be designed for electrical control or housing analytical instruments. Enclosures are designed to any application and any environment. The ASI team has the knowledge and expertise to take your panel project from concept to completion.



Electrical Control Panels

PLC control panel enclosure with purge system. Automatic packaging process control with food and explosion proof certification requirements.



Custom Gas Analysis Systems

Built for accurate, real-time monitoring of process gases, integrating advanced sensors, sampling systems, and controls to ensure precision, compliance, and optimized process performance.

INDUSTRIES WE SERVE

ELECTRIC + GENERATING PLANTS

- Fossil
- Gas Fired
- Coal Fired
- Oil Fired
- IGCC
- Nuclear
- Renewables

INDUSTRIAL

- Refineries + Offshore Applications
- Hydrocarbon / Petrochemical
- Water / Wastewater Treatment
- Paper Mills
- Chemical Plants
- Steel Manufacturing
- Semiconductor Manufacturing

FOOD + BEVERAGE

- Utilities / Water Treatment
- Meat Processing
- Bottling / Filling

RESEARCH + DEVELOPMENT

- Test Stands

PHARMACEUTICAL

- Lab Equipment
- Essential Oil Extraction

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ASI creates unique solutions.

Let's find your solution.
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