



Building Solutions

Proudly Represented by:
AWS Bio-Pharma Technologies, LLC
www.AWSBioPharma.com
(505) 286-3944



Process Engineering

Automation & Controls

Custom Design & Fabrication

Installation & Commissioning

Experience and Insight

Process Engineering

- Conceptual Designs
- Facility Plans
- PFD's and Mass Balance
- Capacity Models
- Process & Instrumentation Diagrams
- Equipment Layouts
- 3D Facility and Skid Models
- Isometric Drawings
- CIP Circuit/Loop Diagrams

Automation and Controls

- Electrical Engineering
- Controls Architecture
- UL Approved Panel Shop
- System Integration
- Factory Acceptance Testing
- Site Acceptance Testing
- Start-Up and Training
- Menu Driven Batching Controls
- Production Data Reporting
- PLC and HMI Programming

Custom Design & Fabrication

- Process Modules
- Piping Modules
- ASME Pressure Vessels
- Process Tanks/Storage Tanks
- Fluid Transfer Systems
- Batching/Blending/Formulation
- Heat Transfer Systems
- Filtration/Ultra Purification Systems
- Clean In Place Systems
- Custom Components & Finishing

Installation Services

- Consultation/Plant Walk Through
- Accurate Estimates
- Detailed Project Summaries
- Complete IQ and OQ Documentation
- Project Management: Real-Time Updates
- Responsive Mobilization
- Flex Scheduling
- Orbital Weld Technology
- Pre-fabricated Piping Modules
- Jacketed Piping Systems
- WFI Piping Systems

At A&B Process Systems, we have the ability to see clearly into the nature of a complex situation and the relationship between the well being of your company and the well being of its process systems. In today's competitive markets, the slightest improvement in productivity, efficiency, and safety has a dramatic effect on your competitiveness.

For us, providing exceptional customer support is not an objective, it's a requirement - no excuses, no exceptions. Which begs the simple question - how do we do it? With insight, - insight into our customer's production concerns, their needs and wants, their expectations, and a mutual understanding that we'll walk shoulder-to-shoulder with our customers through every aspect of every project.

We provide you with the same team, the same exceptional product and the same level of quality every time. We look at every part of every project through your eyes. Together, we will assess the details of your current process system, listen to your diverse needs, pinpoint what holds you back, and then broaden our vision to design, fabricate and install a system that will set you apart.

The result? An integrated process system that is cost-effective, efficient, easy to operate and safe, a system that is completely supported from A to Z by A&B. That's customer service, to the letter.



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Building Quality Solutions

Sometimes it's what you don't see that matters the most. Irregularities can lead to product contamination and degradation. At A&B Process Systems, we have our eyes on the smallest details. With A&B insight, we ensure the highest quality systems. That's why our systems are made with the best materials and are fabricated by the best people in the industry.

Our certified fabricators and fitters are trained and certified through our in-house training program. Our process systems and equipment are fabricated in our ASME certified facilities equaling 250,000 square feet of manufacturing capacity. We provide automated welding processes to guarantee the highest quality and accuracy.

All of our fabricators work closely with our process engineering, automation, and design teams to ensure each system not only exceeds your expectations but also meets the standards that control your manufacturing processes including FDA, USDA, 3-A, cGMP, GAMP, and ASME (U & R) guidelines.

At A&B Process Systems, we're here to solve problems, not compound them. Our rigorous Acceptance Testing of our systems in our state-of-the-art testing facility designed for our customers. We not only provide the highest quality products but the highest quality environment in which your products are built.



It's All About Timing



A&B Test Center

Ensure regulatory standards and system specs are met

Utilize customer specific or A&B standard protocols

Full utilities available including filtered steam and DI water

Time is critical in today's competitive marketplace. And while it's critical to get your product to market before the competition, it's also crucial not to sacrifice on quality.

A&B Process Systems takes singular responsibility for a project, providing turn-key process systems solutions from concept to completion under one roof. Our insight and flexibility allow us to provide faster delivery and exceptional quality with in-house control of timelines, quality control and project management.

A&B Process Systems partners with you to gain insight into your unique needs. With your vision in mind and years of experience under our belts, we assume responsibility for the complex details of multi-phase projects, including assessment of existing process systems or equipment, system design, automation, fabrication, documentation, testing, and one-on-one start-up training.

Installing a process system and then trying to work out the kinks on site means more downtime and less production. That's why we provide Factory Acceptance Testing in our state-of-the-art Test Center prior to installation.

We also believe installation isn't meant to be an impediment but an improvement. Our teams will work anywhere in the U.S., and they'll work weekends, nights and flex times to ensure a smooth, quick transition that minimizes downtime and maximizes your productivity and profitability.



Safety First

Consumers place their trust in you, which means they are placing trust in your process system. And with trust comes safety. A&B designs safety into every aspect of its process systems be it product, personnel, plant or environmental safety.

Providing a safe work environment for our associates is one of our core values, a core value that carries through to the products we design for our customers. We design and build ergonomic work environments, which keep your employees safe and improve overall plant safety and productivity.

Our advanced insight into automated systems keeps plant operations running smoothly and ensures safe product and cleaning solutions, consistent production and measurable results.

We are also stewards of our environment and work to preserve the beauty that surrounds us. We design systems that reduce product waste, which not only saves precious dollars but also improves the amount of product that is dumped to drain. We believe our success is a mandate for us to serve as an example to the people and businesses of the communities we serve. We're a leading supplier and major supporter to the renewable energy industries and practice lean initiatives.

But the one part of our business that isn't lean is our insight - an insight that permits us to go beyond building systems and equipment and into the world of building solutions.





A Partner You Can Trust

Whatever the product or process application, you face the pressures of remaining competitive - productivity, purity, safety, efficiency. This is serious business, and we make it personal by partnering with you to grasp your vision, understand your challenge and design a solution.

We believe in synergy - that the combined action of two elements is greater than the sum of their effects individually. That means partnership. We are to you what stainless steel is to the processing industry - a pliable, reliable, polished partner.

It also means we provide you with the best people the industry has to offer. A&B Process Systems is populated with people of vision.

We have the insight to pinpoint the most pressing process challenge you face, the foresight to see beyond that singular challenge and improve your entire process system, and the keen visionary sense that compels us to make you better and enhance your position as the recognized leader.

We're not simply building process systems, we're building you a solution.

The A&B Advantage

We believe the nuts and bolts do matter. That's why A&B Process Systems custom designs and fabricates our own components and equipment for each system we provide.

Each tank or vessel, transfer panel or valve cluster is designed and built with the same high quality standards that our customers have come to expect from our process systems and installation services.

Whether it's providing process equipment, or stainless components, A&B does it with precision and then we put it all together to provide a fully integrated process solution that will save you time and money without sacrificing safety or quality.

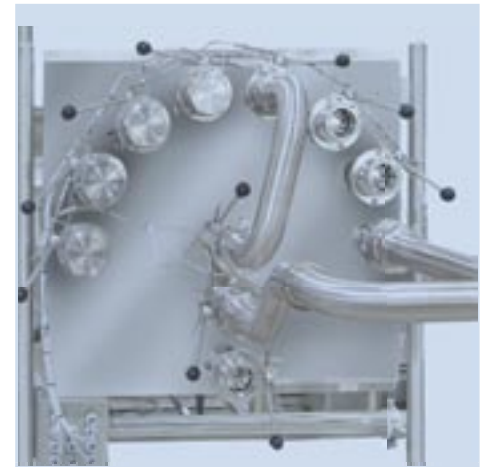
That's the A&B Advantage.

We provide custom design and fabrication for:

- ASME Pressure Vessels
- Process Vessels
- Single Shell Tanks
- CIP Tanks
- Balance Tanks
- Storage Tanks
- Transfer/Utility Panels
- Valve Clusters
- Hold Tubes
- Platforms/Catwalks
- Conduit/Cable Trays
- Spray Ball Assemblies
- Custom Agitation

Our finishing services include:

- Pipe Polishing
- Electropolishing
- Bead Blasting



For a more in-depth look at our products and services, please visit our web site at **www.abprocess.com** or call us toll free for an on-site presentation at **888.258.2789**.

We look forward to partnering with you, understanding your vision, applying our insight, and building a process solution that puts you at the forefront of your industry.

A&B Process Systems Corp.
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