

**APPLIED
CHEMICAL
TECHNOLOGY™**

FABRICATION



Fabrication S E R V I C E S & Erection

The World Leader in Process Equipment Design.



t Applied Chemical Technology, we offer unparalleled engineering and design services to guide your project all the way from product conception to plant design. But we don't stop there. After all, no project is truly begun until the steel is cut. That's why Applied Chemical Technology offers complete equipment fabrication services to turn your ideas into reality. Since 1984, we've provided plants and process equipment for companies around the globe. Our clients range from food and pharmaceutical manufacturers to industrial chemical producers. Our specialty equipment ranges in size from small lab scale to large industrial plants. We can build virtually any piece of equipment to satisfy any process demand. And of course, every ACT construction project includes the rapid completion and painstaking cost control that ACT is known for.

Experience & Expertise

We believe our fabrication team comprises the finest industrial artisans in the world. These master craftsmen have the skill and experience to bring any project into solid



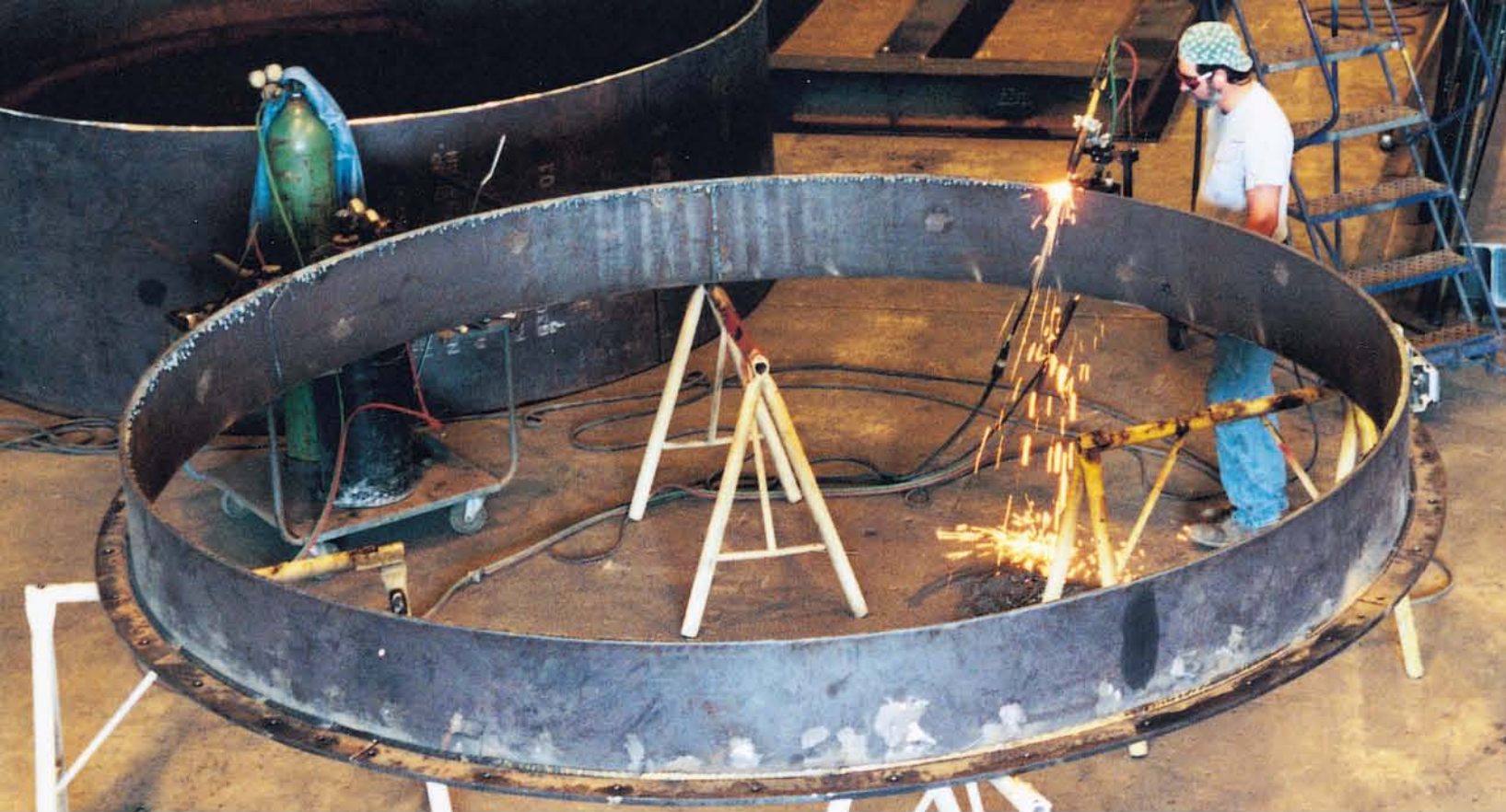
Skills

- Welding
 - GMAW
 - SMAW
 - GTAW
 - FCAW
- Machining
- Pipe fitting
- Plumbing
- Electrical
- Carpentry
- Erection
- Demolition
- Steel detailing
- ASME Pressure Vessels, Section VIII, Division I

Standard Equipment

- Continuous Static Fluid Beds
- Combination Fluid Bed/Baghouses
- Continuous Vibrating Fluid Beds
- Laboratory Fluid Beds
- Batch Fluid Beds
- Rotary Drums
- Drum Internals
- Spray Headers
- Pan Granulators
- Pug Mixers
- Crushers
- Chain Mills
- Roll Mills
- Vibrating Grizzlies
- Baghouses
- Scrubbers
- Separators
- Storage Tanks
- Melters
- Heat Exchangers
- Pumping Skids
- Combustion Chambers
- Air Filters Housings
- Belt Conveyors
- Angle Conveyors
- Screw Conveyors
- Bucket Elevators
- Belt Feeders
- Screw Feeders
- Bag Dump Stations
- Bulk Bag Stations
- Paint Booths
- Paint Line Systems
- Laboratory Glove Boxes
- All Necessary Steel Support Systems





Facilities



CONFIDENTIALITY & PATENTS

Applied Chemical Technology pledges to keep your project completely confidential. We offer every client the security of signed secrecy agreements. We will also assign any patentable developments from your project to you, and assist you in applying for those patents with U.S. and international patent authorities.

Applied Chemical Technology maintains fully equipped fabrication facilities capable of handling almost any construction project. Our versatile array of production equipment and services also insures fast and efficient completion of every project. We offer:

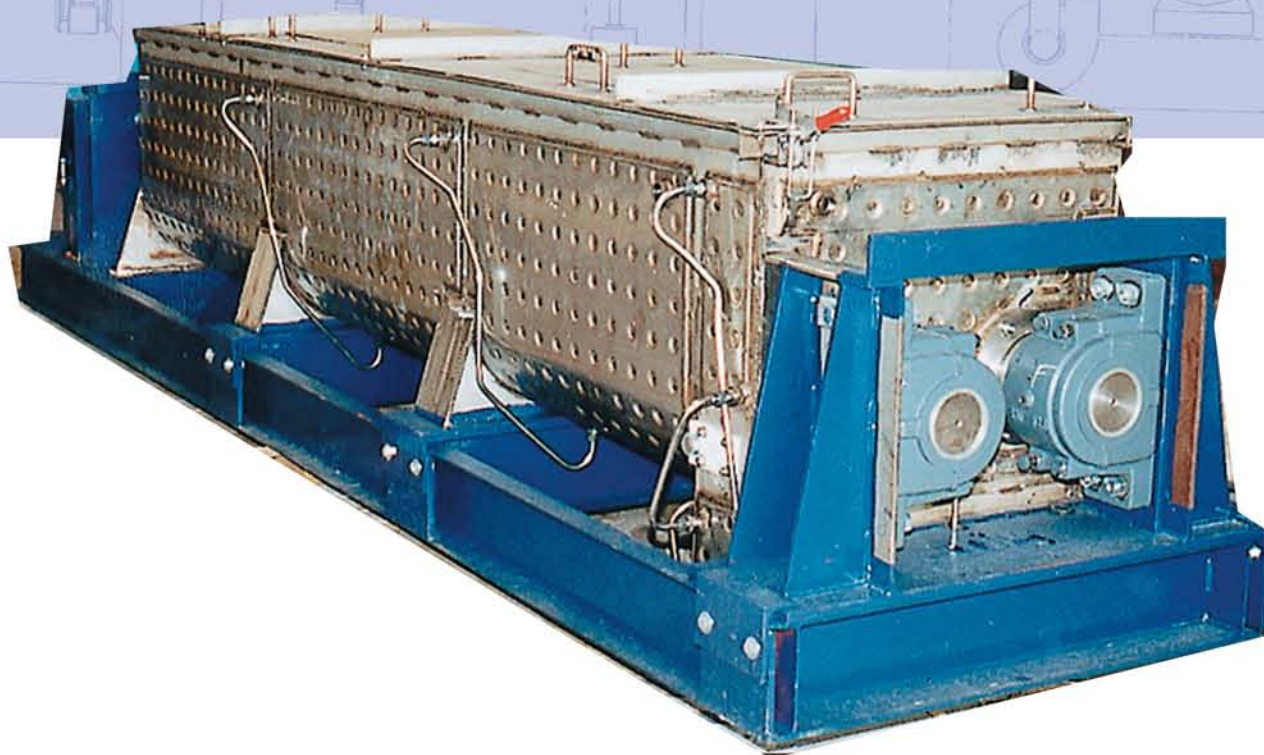
- Over 18,000 sq. ft. of fabrication space
- Overhead cranes
- Jib cranes
- Fully equipped machine shop
- Fully equipped Electrical Panel and Automation Controls Shop
- Bead blasting booth
- 900 sq.ft. indoor paint booth
- Automatic welding machines and other specialty equipment

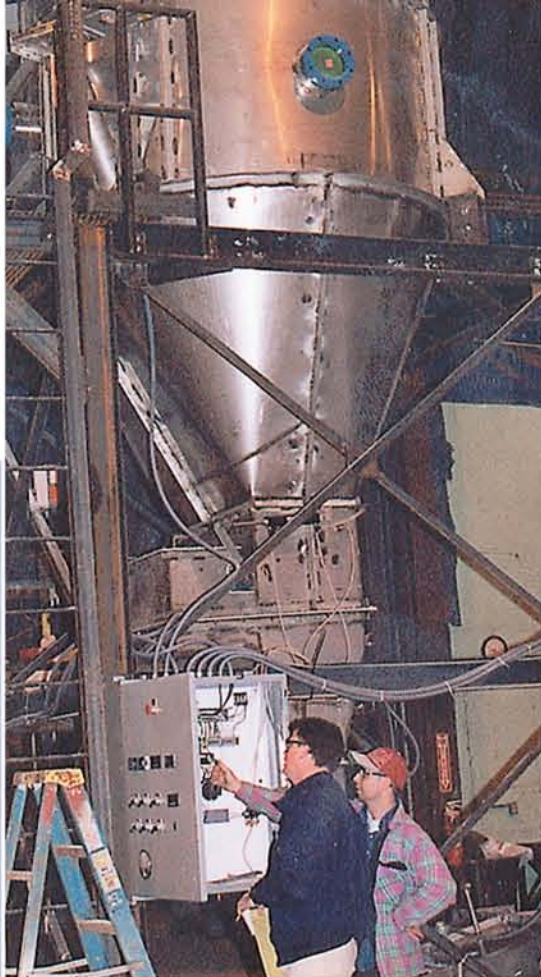
Services

As a full service engineering firm, Applied Chemical Technology's fabrication services go beyond manufacturing. We can see your equipment through from manufacturing to erection, installation and start up. And every step of the way, your project is guided by our experienced team of process engineers and equipment designers. With ACT, you are assured that your equipment will meet your needs, guaranteed.



- Equipment Design
- Equipment Fabrication and Installation
- Equipment Testing and Commissioning
- Equipment Modifications
- Equipment Refurbishing
- Site Preparation
- Plant Erection
- On Site Assistance
 - Plant start ups
 - Plant shut downs
 - Equipment maintenance
 - Scheduled preventative maintenance programs*(Local companies only)*





Custom Equipment Fabrication

ACT excels in developing low cost custom equipment tailored to your specific needs. We can provide process equipment to meet even the most exotic process demands. The custom pieces we have designed and fabricated include:

- High Temperature Fluid Bed Reactor
- High Temperature Bench Scale Vibrating Fluid Bed
- Combustion Air Distribution Plenum
- Dye Tester
- Automated Rain Collector
- Custom Laboratory Bench and Pilot Scale Equipment
- Specialty Fluid Beds, Rotary Drums and More...

Construction Materials

Applied Chemical Technology's skilled craftsmen are experienced with an unlimited selection of construction materials and processes. We will design and build equipment to suit the most extreme process requirements, from corrosive and volatile chemicals to extreme temperature processes.

- Carbon steel
- Stainless steel
- Inconel®
- Aluminum
- Specialty alloys
- Fiberglass
- Plastics
- Wood



Custom

ASME Section VIII Div I

ASME CODE AUTHORIZED

Applied Chemical Technology can assist our clients with ASME Section VIII Div I Code new vessel fabrication (U Stamp) as well as repairs or alterations (R Stamp). Pressure vessels designed and fabricated by ACT are built in accordance with the requirements of the ASME Boiler and Pressure Vessel Code or meet the requirements of the ASME Boiler and Pressure Vessel Code.

The ACT team of engineers and craftsmen are equipped to carry out projects from conception, through design, fabrication and installation. Our clients include some of the world's most respected names in chemicals and pharmaceuticals. All of our projects including ASME designs are done under the strictest confidentiality.





CONTACT INFORMATION

To find out more about our fabrication services or to discuss a project with an ACT engineer, you may contact Applied Chemical Technology by phone, fax, mail or e-mail. All initial consultations are strictly confidential and free of charge.

**APPLIED
CHEMICAL
TECHNOLOGY™**

*The World Leader in
Process Equipment Design.*

APPLIED CHEMICAL TECHNOLOGY, INC.

4350 Helton Drive
Florence, Alabama, USA 35630

Toll Free: 1-800-ACT-3217

Phone: 1-256-760-9600

Fax: 1-256-760-9638

e-mail: act@appliedchemical.com

Web site: <http://www.appliedchemical.com>