



GASTON FABRICATION

Fact Sheet

A DIVISION OF GASTON COUNTY DYEING MACHINE COMPANY

Gaston County Dyeing Machine Company is a fourth generation privately owned business since 1921. Gaston Fabrication is the division of Gaston County Dyeing Machine Company that serves the non-textile customers. Some important facts about Gaston Fabrication are:

- Furnishes storage tanks, reactors, heat exchangers, pressure vessels, and other similar equipment to the chemical, pharmaceutical, and petro-chemical industries
- Has been an ASME certified fabrication shop since 1950
- Registered over 28,000 pressure vessels with the National Board
- "U" stamp certification for the design and stamping of new construction under ASME Section VIII Division I, and "R" stamp certification for repairs and alterations in accordance with the NBIC (National Board Inspection Code)
- Is and has been a significant fabrication business for the U.S. and abroad
- Manufacturing area has approximately 245,000 sq. ft. of floor space, material handling capabilities in the 60,000 lb. range, and a wide assortment of fabrication and machining equipment
- Has a veteran work force that is experienced in welding and machining of all of the common stainless steel alloys, and high Nickel alloys such as Hastelloy® C276 and C22, Inconel®, and Monel, as well as carbon steel and aluminum
- Well capitalized, debt-free company

Gaston Fabrication also has quality and non-destructive services that add value, such as:

- In-house x-ray equipment and radiography personnel
- In-house third party Authorized Inspector services through OneBeacon
- Halide leak detection testing
- Dye penetrant and magnetic particle surface testing

Gaston's Engineering group offers a wide variety of design capabilities such as:

- International Building Code 2000 for structural calculations
- API (American Petroleum Institute) 650 for welded oil storage tanks calculations
- API 620 for design and construction of large, welded, low pressure storage tanks calculations
- ASME B31.1 for power piping calculations
- ASME B31.3 for chemical plant and petroleum refinery piping calculations
- PIP (Process Industry Practice) VECV1001 for vessel and shell and tube heat exchanger design criteria
- PIP VEFV1002 for vessel and shell and tube heat exchanger fabrication
- PIP VEFV1100 for vessel and shell and tube heat exchanger standards details
- TEMA (Tubular Exchanger Manufacturers' Association) standards for heat exchanger calculations
- ASCE (American Society of Civil Engineers) wind and seismic calculations
- AutoCAD® Mechanical 2006

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to Know in
Custom
Fabrication***

