



# Alert Tubing Fabricators Inc.

Veteran-Owned  
Small Business

AS9100D

ISO 9001:2015

Precision Tube and Pipe Bending, Machining, Welding

Bending Since 1965

# 7075-0 Temper Aluminum Parts, DOD

We love the technical aspect of bending



# Alert Tubing Facility

- 2000 Sq. Ft. Office
- 18000 Sq. Ft. Plant
- Room for expansion
  
- Operating Capacity
  - 40% to 50%
  - 100% on Second and Third Shift

# New Equipment

- 3 CNC Bending Machines
- New M71 Manchester End Forming Machine
- 2 New Vertical Band Saws
- 5 Miller Welding Machines (130, 250, 252, 400 DX, 280 DX)
- ORBITALUM Orbital Welder
- New Laser Etching Machine
- CNC Vertical Mill
- 2 CNC Lathes, Haas TL-1 and Haas DS30-SSY
- Retrofitted 2 of 4 Older Pines Machines with Digital NC capability
- New CNC Rolling Machine, 4" OD Tubes
- 3 NC Rolling Machines, 1/4" OD to 3.5" OD Tubes

# Core Competencies

- CNC Precision Tube and Pipe Bending Service
- CNC Push Bending 7D
- CNC Roll Bending
- CNC Lathe 5 Axis High Capacity
- CNC Vert Mill
- Custom Fitting Manufacture
- Aerospace Welding and Brazing Services
- Weld Fittings, Assemblies
- End Form and Beading
- Parflange Machine for High-Pressure Fittings

# Bending Services

- SB-32 8 Axis CNC Left Hand, Right Hand Bending machine
  - Bends up to 1.25" OD
  - Push Bending SB-32 as Small as a 7D, Up to a 1.25" OD Tubes
- SB-52 10 Axis CNC Left Hand, Right Hand Bending machine
  - Bends up 2" OD
  - Push Bending SB-52 as Small as a 7D, Up to a 2" OD Tubes
- SB-63 CNC
  - Bends up to 3" Aluminum, and 2.5" Stainless and Mild Steel
- Bend Dies
  - 1/8" OD up to 3" OD

New CNC Roll Bender

# End Forming

- Phi-Tulip 3CPV / Conrac 3CPV
  - Flare from .250" to 3" OD tubes
  - Bead from .250" to 3" OD tubes
- Parker 1025 AND 1040 Par Flanger
  - Par Flange up to 1.5" OD

# End Forming - Tube Swaging, Expanding

- New End Former, Manchester M71
  - Up to 1.5" OD 6" Stroke, 6 Hits
- Huth 1673
  - Swage up to 3" OD Tubes
  - Expand up 5.5" OD Tubes



# Welding Certifications

- Our Welder is AWS D1.1, D1.2, D1.6, D17.1 Aerospace Certified.
- NAVSEA 278 Certified For Copper Nickel Weldments

# Quality

- All bent products are checked with CMM Arm
- Errors are compensated with bending machines with  $1/10$  of a degree accuracy
- Dimensions within .005 to .010 of an inch
- 20% of all parts are checked, unless customer dictates otherwise

# Strengths & Weaknesses

- Strengths:
  - We'll go the extra mile for our customers
  - We learn quickly
  - Retain knowledge from one job to next
- Weakness:
  - Always trying to make parts perfect for the customer, and once in a while we are late on delivery. That is the exception, not the rule

# Thank you for coming!

- Send an RFQ and a quote will be back to you within 1 hour to 1 day
- Send a PO and you will have your parts in 3 to 4 weeks
- If you need help with engineering of parts to make them manufacturable, we will offer suggestions
- We will utilize industry knowledge to educate the customer and provide economical manufacturing techniques