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, ¼” 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