

COMPANY CERTIFICATIONS



AWS Weld Certification

- D1.1
- D1.2
- D1.3
- D1.6
- ISO Compliant*
- AISC Compliant*

*Not certified

Drawing Formats Accepted

- PDF, DXF, DWG, SOLIDWORKS
- Native Files, .STP, .ACIS, .IAM, .IPT, .IGS, .PAR, .x_t

EQUIPMENT

LASER CUTTING

(5) Lasers

Max Sheet Size – 80" x 160"

- 1" Mild Steel
- 1/2" Stainless Steel
- 1/2" Aluminum

Tolerances

- +/- .004" Feature to Feature

Materials

- Aluminum
- Stainless Steel
- Steel

TUBE LASER CUTTING

(2) Tube Lasers

Capacities (by Shape)

- 8" OD Round Pipe/Tube
- 8" x 8" Square or Rec Tube
- 6" x 6" Angle or Channel

Tolerances

- +/- .004" Feature to Feature

Materials

- Steel
- Stainless Steel
- Aluminum

WATERJET

(2) Waterjets Max Capacity

- 84" x 252"
- Thicknesses Up to 18"

Tolerances

- +/- .005" Feature to Feature

Materials

- Steel
- Stainless Steel
- Aluminum
- Plastics

TURRET PUNCHING

Amada EMK-3610NT

Max Sheet Size – 60" x 98"

+ Reposition

- 0.25" Thick

Tolerances

- +/- .004" Feature to Feature

Materials

- Steel
- Stainless Steel
- Aluminum

WELDING

Welding Units

- MIG – 65 Units
- TIG – 37 Units
- SPOT – 4 Units
- STUD – 4 Units

Bancraft Linear Seam Welder

- 144" Linear Capacity
- Capable of Welding Cones, Cylinders, and Flat Sheets
- Capable of Welding .02" - .375"
- Capable of Welding All Weldable Alloys

ROBOTIC WELDING

OTC Daihen Robotic Welding Cell

- Operating Range - 36" x 90"
- MIG or MAG Welding Process

MACHINING & TURNING

(22) Machines

(14) Vertical CNC Mills

Max Capacity – 120" x 36" x 28"

- 1/2" Stainless Steel
- 1/2" Aluminum

(2) 5-Axis Mills

Max Capacity – 30" x 20" x 20"

(6) CNC Turning Lathes

- CNC 3" Through Bore, 12" Chuck

Materials

- Aluminum
- Stainless Steel
- Steel
- Plastics

Tolerances

- Vertical CNC .002" Through .005"
- Turning CNC .0005" Through .005"

SHEET ROLLING

Sheet and Plate Rollers (2)

- Max 10' Length
- Max 5/8" Thickness
- Cone Rolling Capability

WET PAINT

- Multiple Garmat Backdraft Booths
- Interior Booth Size – 35' Deep x 20' Wide x 14' High
- 18' Door Opening
- 70' x 70' Wash Bay
- 70' x 70' Paint Drying Room

POWDER COAT

(Automated Line and Booths)

Standalone Booths and Cure Ovens (2)

- Wash Bay - 70' x 70'
- Max Part Size - 20' x 10' x 10'
- Quick-Change Electro-Static Guns

Automated Powder Line (with 5 Stage Wash)

- Max Part Size - 36" x 36" x 72"
- Quick-Change Electro-Static Guns
- Up to 1000 Parts per Hour Throughput

SAND & BEAD BLASTING

Max Part Size – 8.5' x 8.5' x 22"

ASSEMBLY/SUPPORT EQUIPMENT

Machines / Models

- Haeger Hardware Insertion Press (2)
- Timesaver 137-1HDMW Belt
- Timesaver Lynx 37MWT-DDB-60
- HYPNEUMAT Inc Multitap (Up to 17 Taps Simultaneously)
- Bliss OBI 100-Ton Stamping Press

PRESS BRAKES

(10) Press Brakes

Max Capacity

- 240 Tons
- Max Bend Length 168.5"

Tolerances

- +/- .005 Light Gauge
- +/- .030 3/16" and Up

TUBE FORMING & ROLLING

Machines

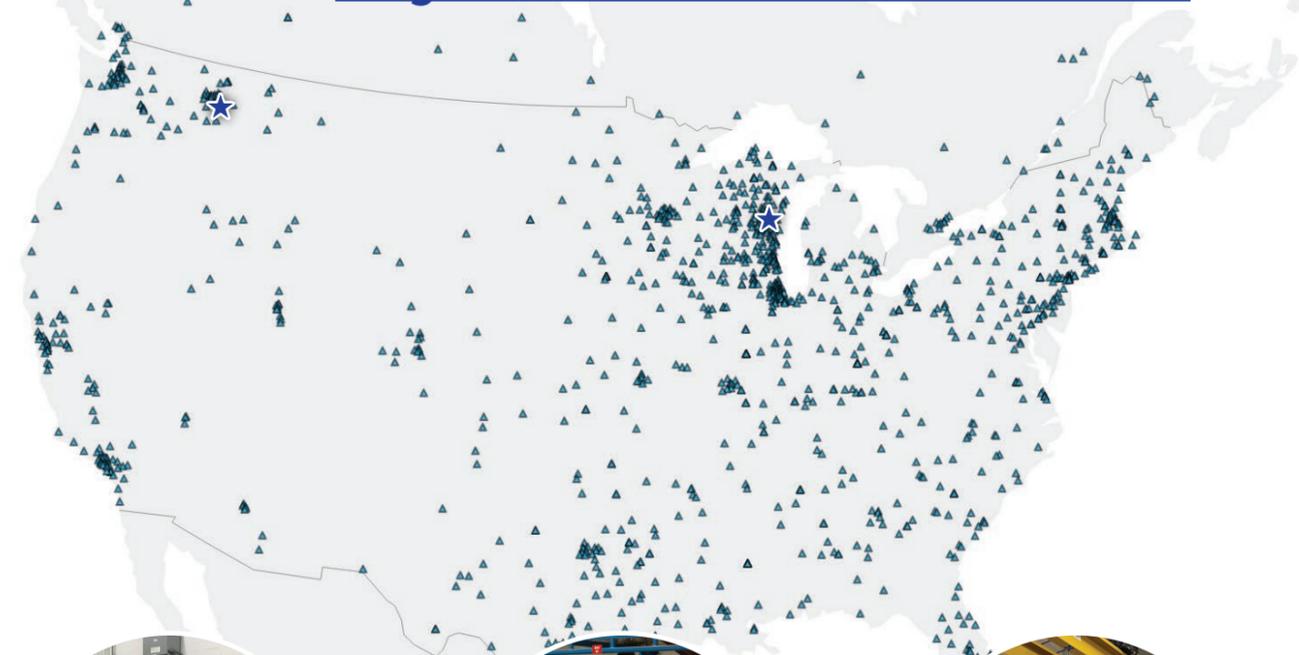
- Rotary Draw Benders (2)
- 3 Roll Universal Section Roller
- 15 Most Common Die Sets in Stock

Tube and Section Rolling

- 3 Roll Universal Section Bending Machine



Delivering complete metal fabrication solutions anywhere in North America!



Short Lead Times and Rapid Turnaround

36% of our parts deliver in 3 days or less.



Your Single-Source Solution

American Alloy simplifies your outsourced manufacturing by handling every step in-house, ensuring quality and seamless coordination.



From Concept to Scale

From small precision parts to oversized weldments up to 50 tons, we handle jobs of all sizes and shapes.

MANUFACTURING LOCATIONS:

SPOKANE VALLEY | (509) 921-5794

3808 N Sullivan Rd
Bldg 11, Ste M
Spokane Valley, WA 99216

GREEN BAY | (920) 435-8881

1410 Partnership Dr
Green Bay, WI 54304



FULL IN-HOUSE MACHINE SHOP

5-axis precision with in-house programming, custom fixturing, and CMM inspection to verify every critical feature.



REQUEST A QUOTE
quote@american-alloy.com

FABRICATION AND ROBOTIC WELDING

Providing MIG, TIG, and automated welding on steel, stainless steel, and aluminum.



250+ Employees Operating
Within 250,000+ Sq. Ft. of ITAR
Registered Manufacturing Space



CNC MACHINING

Over 20 in-house CNC machines—vertical milling (including 5-axis) plus CNC lathes—for accurate, stable, production-ready machining.



SHEET AND PLATE CUTTING

Using precision water and laser cutting equipment to achieve even the tightest tolerances.



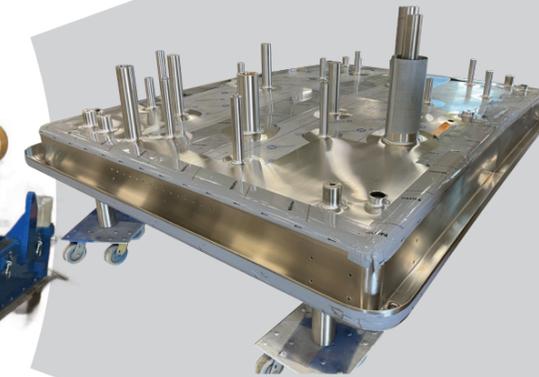
COMPLETE ASSEMBLY

Completing a variety of tasks related to the assembly of turnkey projects, including pneumatics, valves and wiring.



DEDICATED STAINLESS ROOM

Ensuring the utmost in quality for food safe and sanitary solutions by preventing cross contamination of materials.



TUBE LASERS

Providing precise cuts the width of a human hair through tubes, pipes, and other unconventional metal parts.



BENDING/FORMING



PAINT AND POWDER COATING

Reducing costs and turnaround times with in-house wet painting, powder coating, and sand or bead blasting.

