



**“Building Upon Tradition.”**

## CAPABILITIES

**Welding:** Lincoln/Miller/Linde Equipment.

- TIG Welding: Stainless Steel, Aluminum, Mild Steel.
- MIG Pulse Welding: Stainless Steel, Aluminum, Mild Steel.
- MIG & Flux Core Welding: Stainless Steel, Aluminum.
- Projection Welding 75 KVA.
- Spot Welding 75 KVA.
- ASME Certified: Stainless Steel TIG Welding. Other standards met: USDA [TIG Stainless]; AWS D1.1 Structural Welding Steel; AWS D1.2 Structural Welding Aluminum; AWS D1.3 Structural Welding Sheet Steel; and AWS D1.6 Structural Welding Stainless.

**Metal Finishing:**

- Meets USDA Dairy Grade, 3A, Pharmaceutical, & Mirror Finish (as low as 5 Ra.)

**Laser Cutting:**

- Prima CP4000: 4000 Watt, 5-Axis, 5' x 10' dual table. (Handles Flat, tubing, 3-D parts.)
  - ▶ Post fabricated cutting.
  - ▶ Trim stampings.
  - ▶ 3-D Prototype & Production runs. 15" Z Axis. [Tubing, Angle, I-beam, Channel, etc.]
  - ▶ 3-D Program & Fixture development.
  - ▶ Tubing up to 12" Diameter in Tubing.
  - ▶ Flat Thicknesses: ½" Stainless, ¾" Mild Steel, ¼" Aluminum.

**Turret Punch:**

- Amada EMK3610 NT turret punch press, 33 Ton, 60' x 100' brush table, 58-station, 4 Auto-Index turret, with AMFC Control, PRUL 300 III Automated Material Unload System, MP Sheet Loader.
- Strippit Super 30/40 Single Station Press Machine.

**Press Brake:**

- 135 Ton Cincinnati Autoform, 12' Long
  - ▶ Precision Ground Tooling.

**Other Equipment:**

- FMB Horizontal Band Saw: For precision cuts.
- Enerpak 100 Ton Straightener.
- Haeger PEM Insertion Machine.

**Assemblies:** Complete Mechanical Turnkey Assemblies.

**Engineering Services:**

- Mechanical: Design & Consulting services 3-D.
- Detailing: Drawing-detailed services.
  - ▶ CAD: SolidWorks, AutoCAD and CATIA.
  - ▶ CAM: Cenit Fastrim (3-D.)
- Process: Design & Consultation for automation requirements.

**151 Industrial Drive, Bldg. C., Beaver Dam, WI 53916**

**Phone: 920-356-0372 FAX: 920-356-0526**

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