

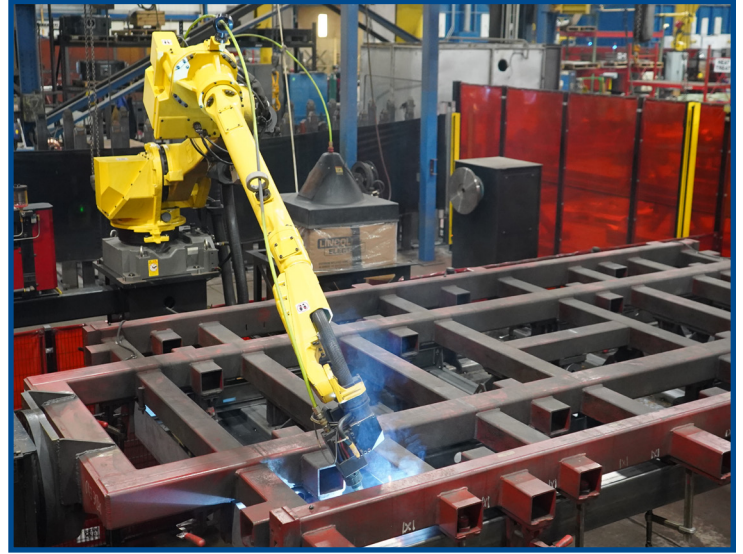


# Our Capabilities

# Welding

## Capabilities

- All employed welders are certified by the American Welding Society (AWS D.1.1)
- Robotic technology
- Tungsten inert gas (TIG) and metal inert gas (MIG) welding of a variety of materials including:
  - Mild carbon steel
  - Stainless steel
  - Aluminum
  - Aluminum armor including 5083-46027
  - Armored steel including A46100, CG2001, WELDOX, ARMOX, and 12560 high-hard



**American Welding Society Certified Welding Inspectors (CWI) and Certified Weld Engineers are employed to maintain and regulate welding processes.**

## Welding Equipment

- Lincoln sub-arc TC3 carriage with 60,000 pound weight capacity, 70' x 5' x 3' envelope capacity
- Lincoln M-710iC / T FANUC dual armed robot, 30' x 15' x 10' envelope capacity
- Lincoln M-710iC / T FANUC single armed robot, 15' x 15' x 10' envelope capacity
- MotoMan HP30-ACC with two 1,000 pound 5-axis manipulators, 8' x 2' x 3' envelope capacity
- Panasonic VR2 robots with dual 2,000 pound manipulators with 12' x 6' x 3' envelope capacity
- Fanuc R-j3lb with dual 2,000 pound manipulators and dual robot arms with 12' x 6' x 3' envelope capacity
- 200 steel MIG welding machines
- 25 aluminum MIG welding machines
- 25 steel / aluminum TIG welding machines
- 120,000 square feet of TIG welding area





# Our Capabilities

# Welding

## Armor Cab Manufacturing

**Our speciality since 2006**

- Retrofit vehicle armor and up-armor kit fabrication and installation
- COTS cab armor mod fabrication
- Armor plate weldments
- Kevlar and Dyneema applications
- Laminated composite armor applications
- Ballistic testing coupon and prototype fabrication
- Prototype to production transition support



## Welder Certifications

**Our welders hold multiple certifications**

- Steel D1.1
- Aluminum D1.2
- Light Gage D1.3
- Stainless Steel D1.6
- ASME - Section IX
- Solder - AWS B2
- Metalizing - AWS C2.2
- Armor Plate
- Aerospace Aluminum D17.1
- Special metals including mild steel, WELDOX, HARDOX, and STREX



## Company Certifications

**Committed to quality and high performance**

- ISO 9001:2015
- ASME - S stamp for pressure boilers
- ASME - U stamp for pressure vessels
- Ground Combat Vehicle Code Steel 12479550 (MIL-STD-3057)
- Ground Combat Vehicle Code Aluminum 12472301 (MIL-STD-3057)
- International Traffic in Arms Regulations (ITAR) registered
- Military Critical Technical Data registered



## In-House Welding School

**Opportunity to obtain state-sponsored certifications**

- Systematic training process that evaluates individual performance
- Advanced welding training on specific welding positions
- Consistency in results in standardization for quality products
- Certifications in apprenticeship levels: production, fabrication, and lead

