

We understand armor fabrication.

- We have optimized welding processes for joining difficult armored materials, while maintaining ballistic and or blast effectiveness.
- Good joint design is integral to an effective armored structure. We work with our clients to improve their joint designs and better protect the warfighter.
- We'll help you avoid pitfalls that lead to common quality problems when working with armor such as delayed cracking.
- We enjoy working relationships with the majority of the armor fabricators across the country.
- We have played an integral role in the product lifecycle of many successful war fighting systems including most up-armored HMMV variants, Caimen/MRAP, RG33/MRAP, FMTV, MATV and more.



About Applications Technologies Company

Applications Technologies Company (ATC) is the premier welding engineering enterprise in the US. Established to offer engineered welding and manufacturing solutions, our mission is to provide clients with the technical concepts and tools necessary to assist them in achieving and maintaining global competitiveness. Areas of expertise include: welding process selection and optimization; consumable selection; component design for manufacturability; weld quality planning and improvement; supply chain quality management; interpretation and application of welding standards; mechanical testing; nondestructive examination; and automated welding equipment design, fabrication and implementation. With more than fifty years of combined welding engineering and fabrication experience, ATC offers the most cost-effective approach to application of welding and manufacturing technology to maximize your company's bottom line.

The Materials:

- ✓ Mil-A-46100
- ✓ MARS 300
- ✓ Titanium
- ✓ Aluminum

Testing:

- ✓ Hardness
- ✓ Micro-Hardness
- ✓ Weld Qualification

Welding Codes:

- ✓ Mil-STD Ground Combat-12479550, 12472301,
- ✓ AWS D1.1
- ✓ AWS Armor welding code now under development