



MTIwelding.com

AEROSPACE PARTNERING

Since the dawn of the jet age, MTI has partnered with aerospace companies from around the globe through our NADCAP accredited U.S. and U.K. production centers to deliver the highest integrity and quality welds possible.

WHAT TO LOOK FOR IN AN AEROSPACE PARTNER

When a 261 metric ton airplane is landing or a medivac helicopter is in route to a hospital with a critical patient, that is not the time for a critical component to fail.

MTI understands this. That's why MTI is NADCAP accredited. Our aerospace partners like GE, Pratt & Whitney, RollsRoyce, Boeing, and Honeywell trust MTI with the quality and integrity of their welded parts.

When choosing a contract welding partner, ask them if they:

- Are NADCAP accredited *and* current.
- Have been in business for over 90 years with 50-plus years of aerospace experience.
- Have a global presence with facilities in the U.S. and U.K.
- Have a full range of friction welding machines from 0.25 ton to 400 ton forge force at their disposal.

- Can weld aerospace parts using all three different types of friction welding technologies — rotary, linear, and stir.
- Have a breadth and depth of aerospace program experience — from commercial to military and government.
- Provide additional risk mitigation through part processing and design based upon your existing part profile parameters.
- Design and build proper tooling specific to your part to ensure safety and the highest weld quality.
- Have the room to handle your order, no matter what size, with a production facility over 122,000 sq. feet.

WE KNOW YOUR BUSINESS

MTI's know-how in machine building for aerospace parts ranging from engine components to landing gear parts, from rocket engine igniters to fuel containment vessels and more, is assimilated into our Manufacturing Services machines. This advantage provides better quality control and leverages our friction welding process expertise.

Our contract manufacturing service keeps pace with changing aerospace quality standards. We have:

- The only two out of the nine NADCAP accredited inertia/friction welding production facilities in both the U.S. and U.K. available to help you remain competitive in the quality-conscious global aerospace market.
- A full staff of engineers, designers, process engineers, and metallurgists to support your program's needs.
- The ability to design and build unique, part-specific tooling to ensure the highest weld quality possible. We won't cut corners by trying to modify common tooling that could deliver suspect weld joints.
- Regularly performed feasibility studies for customers, such as a study to improve the quality of repair work to prolong part life expectancy on engine nose cowl.
- Executed weld qualifications for high-volume production.
- Years of experience welding critical aerospace parts used in commercial and military fixed and rotary winged aircraft.

Aerospace components require quality processes and expertise from a partner. There's too much riding on that decision to expect anything else.



"Today, Nadcap represents an unprecedented, cooperative industry effort to improve quality while reducing costs throughout the aerospace and defense industries."

*-What You Need to Know About NADCAP, 2015
T. Newton*



CONTACT MANUFACTURING SERVICES

ROTARY PROJECTS: Duane Neuerburg
P: 574-233-9490, ext. 606

Go with a partner who knows what it takes to bond quality parts for aerospace applications.

Contact MTI to get started on your next program.

MANUFACTURING SERVICES

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