Eaton’s Aerospace division is currently seeking a Lead Weld Engineer – Transitions to join our team. This candidate can work remote from a home location in the United States when they are not traveling. This position reports to our Jackson, MI facility.

The Lead Weld Engineer is responsible for developing welding techniques, special processing procedures, and application of welding equipment to problems involving fabrication of metals, utilizing knowledge of production specifications, properties and characteristics of metals and metal alloys, and engineering principles. In this role, you will conduct research and development investigations to develop and test new fabrication processes and procedures, improve existing or develop new welding equipment, develop new or modify current welding / special processing methods, techniques, and procedures, discover new patterns of welding phenomena, or to correlate and substantiate hypotheses.

The Lead Weld Engineer will establish welding / special processing procedures to guide production and welding personnel relating to specification restrictions, material processes, pre- and post-heating requirements which involve use of complex alloys, unusual fabrication methods, welding of critical joints, and complex post-heating requirements.

Making what matters work at Eaton takes the passion of every employee around the world. We create an environment where creativity, invention and discovery become reality, each and every day. It’s where bold, bright professionals like you can reach your full potential—and where you can help us reach ours

- You will design, develop, implement, and improve safe and environmentally responsible manufacturing processes utilizing ProLaunch, MESH, and other Eaton and industry standard practices.
- You will evaluate new developments in welding / special processing fields for possible application to current welding University training processes or problems with current production processes.
- You will support on-time delivery of Manufacturing Transitions involving welding / special process, processes through the development of welding procedures, including troubleshooting fixture and tooling problems, supporting the DMR process, and implementing continuous flow concepts.
- You will direct and coordinates technical personnel in performing inspections to ensure workers' compliance with established welding procedures, restrictions, and standards; in testing welds for conformance with national code requirements; or testing welding personnel for certification
- You might perform experimental welding / special processes to evaluate new equipment, techniques, and materials.
- You will take ownership of ME and OpEx action items in the ProLaunch and STP / NPI processes to support growth initiatives.
- You will recommend and implement changes in products and processes to improve manufacturability and profitability (cost out).
- You will work directly with production associates, from all levels of the plant, in the implementation of projects in order to build an inclusive culture and processes that meet the needs of all employees and customers.
- You will support special process and customer audits; and develop standard work instructions and training material. Deliver training to employees.

When we embrace the different ideas, perspectives and backgrounds that make each of us unique, we — as individuals and as a company — are stronger.

We are committed to ensuring equal employment opportunities for all job applicants and employees. Employment decisions are based upon job-related reasons regardless of an applicant's race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability, marital status, genetic information, protected veteran status, or any other status protected by law.
**Required (Basic) Qualifications:**
- Bachelor's degree from an accredited institution
- Minimum of 5 years manufacturing experience
- Minimum of 5 years welding experience
- Must be legally authorized to work in the United States without company sponsorship now or in the future.
- This position requires use of information or access to hardware which is subject to the International Traffic in Arms Regulations (ITAR). All applicants must be U.S. persons within the meaning of ITAR. ITAR defines a U.S. person as a U.S. Citizen, U.S. Permanent Resident (i.e. ‘Green Card Holder’), have been granted Political Asylum, or Refugee.

**Preferred Qualifications:**
- Bachelor’s degree in Mechanical, Industrial Engineering or other similar engineering fields from an accredited institution.
- Willing to travel up to 50% - 70% of the time
- Master of Science from an accredited institution.
- Experience in GTAW, resistance welding Spot welding, Seam welding and Electron beam welding
- Experience with all types of welding / special processing and associated specifications and controls
- Experience with use GTAW, resistance welding Spot welding, Seam welding, Electron beam welding and laser
- Strong understanding and working experience with GD&T.
- Strong knowledge of Quality systems, methods and practices; QS 9000, AS9100, APQP, FMEA, Control Plan, PPAP, NADCAP and MSA