**Welding Engineer**

Are you looking to join a high-tech 3D printing company that helps develop the next generation of spacecraft and electric vehicles? Fortius Metals is leading the charge to bring stronger metal alloys to large format robotic additive manufacturing (AM). We are a venture-funded, early stage, high growth company whose products have received multiple awards for high performance applications. We enable stronger, lighter fabrication for Aerospace and Defense customers with our patented 3D printing and welding alloys. Our long-term goal is to re-shore manufacturing in the USA.

As a Welding Engineer at Fortius Metals, you’ll play a key role in developing and testing next-generation aluminum and specialty alloy welding wire used in robotic welding and large-format metal 3D printing. You’ll assist in process development, welding trials, and mechanical testing to help us push the boundaries of what’s possible with high-performance alloys. This is a hands-on, fast-paced role ideal for someone who is detail-oriented, eager to learn, and excited about applying welding knowledge to real-world applications in aerospace, defense, and manufacturing.

You will join a pioneering culture that is committed to talented individuals that are accountable and empowered to achieve our goals. We value respect, because a diverse range of ideas and approaches strengthen our outcomes.

***All candidates must be United States citizens. Candidates may be required to perform a background check and reference verification, credit check, and/or preemployment drug screening. No relocation reimbursement. Candidates submitted by third-party agencies will not be considered.***

**Job Details**:

* Level: Intermediate
* Hourly Rate: $44/hour
* Schedule: Day shift, 24 to < 30 hours/week
* Duration: 3 months, with potential for full-time hire
* Job Type: Non-exempt, hourly, part-time, temporary
* Benefits: This hourly role is not benefits-eligible. When converted to a full-time position, benefits would include health insurance, paid time off, and 401(k) with company safe-harbor match
* Work Location: On-site in Lafayette, CO
* Application Deadline: June 10, 2025

**Essential Functions**: Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

* Assist in conducting welding tests and trials using robotic and manual setups.
* Support the development and documentation of welding procedures for new alloy wires.
* Record, organize, and analyze weld test data and results.
* Collaborate with engineering and R&D teams to iterate wire formulations and process parameters.
* Conduct tensile, bend, hardness, and metallurgical tests per project requirements.
* Maintain equipment, consumables, and lab workspaces for safety and efficiency.
* Prepare test samples and assist with post-processing as needed.
* Support customer projects and internal development initiatives with technical documentation.

**Competencies**:

* Basic understanding of welding processes (GMAW, GTAW, etc.)
* Attention to detail and commitment to data accuracy.
* Hands-on problem-solving and mechanical aptitude.
* Technical writing and documentation skills.
* Strong teamwork and communication skills.
* Willingness to learn and adapt in a dynamic environment.

**Work Environment**: This role works in a lab and shop floor setting with regular exposure to welding equipment, mechanical tools, and metalworking processes. Appropriate PPE is provided and required.

**Required Education and Experience**:

* Bachelor’s degree in Welding Engineering, Mechanical Engineering, Materials Science, or related field OR equivalent technical experience.
* Entry-level to 2-4 years of experience in welding, metallurgy, or process engineering (internships included).
* Familiarity with welding equipment and metal testing procedures.

**Preferred Qualifications**:

* Experience with robotic welding, additive manufacturing, or aluminum welding.
* Proficiency with Microsoft Excel and technical reporting tools.
* SolidWorks or CAD experience a plus.

**Additional Requirements**:

* U.S. Person status (due to export control requirements).
* Ability to pass a background check and verify employment eligibility in the U.S.

**Equal Employment Opportunity**: Fortius Metals provides equal employment opportunities to all employees and applicants without regard to race, color, religion, gender, sexual orientation, gender identity or expression, national origin, age, disability, veteran status, or genetics. We are committed to fostering a workplace that reflects the diverse industries and communities we serve.