



R&D MACHINIST

Woburn, MA

Giving everyone in the world access to clean, reliable, affordable energy will require substantial expansion of global electricity transmission networks. VEIR is developing a new generation of High Temperature Superconductor (HTS)-based transmission lines, enabling long distance, reliable, low loss, cost-effective power transfer in far smaller right-of-ways. VEIR's innovations overcome the main barriers to transmission expansion, enabling the world to access the very lowest cost renewable power.

VEIR is seeking a motivated **R&D Machinist** to join our growing team. The R&D Machinist will be responsible for using in-house machine tools to fabricate components in support of VEIR product and technology development goals. This role is heavily involved in daily lab operations. This individual will communicate regularly with technicians and engineers across all VEIR engineering teams to iterate on the design and fabrication of components based on test results. VEIR will rely on the R&D Machinist to provide feedback on part design, machinability, and lead times of requested components.

DUTIES & RESPONSIBILITIES:

- Follow technical drawings, sketches, and verbal instructions to accurately machine parts from various materials
- Assist in maintaining machine shop space, e.g., organization, cleanliness, preventative maintenance, waste management
- Advise engineers and technicians on machinability of designed parts and participate in engineering design reviews as requested
- Identify the most efficient, fastest, and safest methods to fabricate parts. Make suggestions to engineering teams when modifications can save time or material or reduce risk with minimal impact on part performance or functionality
- Modify, iterate on, or repair existing components, including parts originally fabricated at external shops
- Support engineering and technical teams as needed on the assessment of part performance
- Collaborate with engineers, technicians, and company leadership to identify and specify priority equipment upgrades or replacements as needed. Assist in setup and/or commissioning of new equipment and tools as VEIR's needs change
- Contribute to the development of and adherence to rigorous safety procedures that maintain an environment focused on ensuring the safety of VEIR employees, partners, suppliers, vendors, and customers.
- The Company expects all R&D Machinists to exercise independent judgment and discretion with regards to design and fabrication of prototype parts/systems and maintenance of the machine shop.

MINIMUM EDUCATION/EXPERIENCE:

- High School Diploma and 3-5 years of relevant machining experience, or equivalent trade school experience
- Experience working with plastics, aluminum, copper, brass, stainless alloys
- Experience working effectively with cross-functional teams in a fast-paced, dynamic environment
- Experience machining to tolerances of +/- .005" or better
- Experience using both SAE and Metric measurements

REQUIRED SKILLS:

- Ability to safely operate common manual machining equipment (i.e., mills, lathes, grinders)
- Familiarity with hand tools and power tools
- Familiarity with common metrology equipment such as gauges, calipers, micrometers, indicators
- Proficient in Microsoft Office tools
- Strong attention to detail
- Ability to regularly lift up to 40lbs
- Ability to communicate clearly and concisely (written/oral) with all levels of the organization
- Ability to work in a fast-paced, team-oriented environment
- Ability to work independently and take ownership of projects and assignments
- CNC experience a plus, but not required
- Welding experience a plus but not required

ADDITIONAL NOTES:

- Working conditions: Laboratory environment, periodic work in outdoor environments (outdoor testbeds, pilot demonstrations)