

# Full Job Description

## Position Summary:

Human Element Company is looking to fill a role with a technology company in need of a Lead Technical Specialist to assist in the development and installation of a first- generation, state of the art, high-power accelerator for the production of radioisotopes for medical applications. Working with scientists, engineers, and technicians, the Lead Technical Specialist will execute work related to high vacuum, electromagnet, RF, and process cooling subsystems. This position requires a strong background in experimental laboratories performing similar work. This role will provide assembly and testing support, and additionally will participate in various experiments throughout the project as well as final beam commissioning. The Lead Technical Specialist will provide task oversight and evaluation of technicians and contractors.

**This position will work in the Valencia, CA facility for 2 + years with the OPTION to relocate to SLC, UT in 2024.**

**Submit resumes to Human Element Company: [missi@humanelementcompany.com](mailto:missi@humanelementcompany.com)**

## Responsibilities:

- Assemble, qualify, and operate mechanical and vacuum systems
- Direct and assist the tasks of technicians
- Perform measurements on precision components as part of a receiving and qualification process
- Work with electronic equipment and tools
- Participate in precision alignment using a laser tracker and other survey equipment
- Write and edit operating procedures, instructions, and other documents

## Minimum Requirements:

- Associate's degree or higher
- Five years of experience in a laboratory environment
- **Experience with high vacuum systems and diagnostics (pumping, gaging, controls, and diagnostics) - REQUIRED**
- Able to work with a wide variety of hand and power tools
- Some experience with electrical controls work (cable assembly, soldering, testing, etc)
- Comfortable with precision mechanical inspection tools (calipers, micrometer, height gauge, etc) Fully proficient with digital productivity tools (Google Suite products, Microsoft Office products) Skilled with the use of CAD software
- Excellent written and verbal communication skills

## Preferential Education / Experience:

- Bachelor's degree or higher

- Experience with particle accelerators
- Previous work in a GMP or ISO environment
- Experience with high-voltage and high-power electronics
- Experience with RF systems
- Fluency with Geometric Dimensioning and Tolerancing
- Manual machining, torch soldering/brazing, and welding
- Data acquisition and processing

### **Physical Requirements:**

- Must be able to sit for long periods of time. Frequent use of computer with repetitive use of keyboard, mouse and manual dexterity.
- Ability to operate hand and power tools for long periods of time.
- Ability to regularly lift up to 20 pounds, occasionally lift up to 50 pounds.

**Client offers an EXCELLENT benefit package with full coverage for the employees and low premiums for family members.**

### **About the client:**

We are an early phase company committed to advancing the way radioisotopes are made. We represent the first true turning point in the history of the field of radioisotope manufacturing since the advent of the cyclotron. By augmenting a standard linear accelerator with a proprietary high-current multiparticle ion source, our solution can generate radioisotopes with a very high yield and specific activity and is poised to become the state-of-the-art technology.

Our technology is uniquely suited for the generation of therapeutic radioisotopes. These radioisotopes, while historically challenging to produce in quantities and for the cost that allow for robust growth of the field, are on the precipice of widespread clinical use for personalized cancer therapy. We are uniquely positioned to support and foster the growth of this important application.

We were founded on the idea that the greatest scientific asset isn't raw material or technology but vision — and the freedom to follow that vision wherever it leads. So, while the treatments of tomorrow will surely be built on advanced physics and sophisticated chemistry, they'll be driven by creativity and fueled by spontaneity. In the world our technology enables, neither will have limits.

Job Type: Full-time

Pay: \$40.00 - \$50.00 per hour

Benefits:

- 401(k)

- Dental insurance
- Health insurance
- Life insurance
- Paid time off
- Vision insurance

Schedule:

- 8-hour shift

COVID-19 considerations:

We will continue to follow Public Health and CDC guidelines. All associates are required to wear a mask while working onsite except when eating/drinking.

Application Question(s):

- Please explain your experience working in a laboratory environment
- Please provide details about your experience working with high vacuum systems and diagnostics
- Please explain your experience working with electrical controls
- What CAD Software have you worked with?

Education:

- Associate (Preferred)