

## Electrical Support Engineer

**Responsible for debugging, repairing, servicing and installing various electrical, imaging and x-ray components and equipment in house, in the field and via remote support.**

### **Job Description:**

- Test, troubleshoot, debug and repair electrical, imaging and x-ray components and systems in-house and at customer locations
- Perform safety inspections and preventative maintenance service inspections on electrical, imaging and x-ray components and systems in-house and at customer locations
- Install, wire and configure electrical, imaging and x-ray components into new and existing inspection systems.
- Calibrate imaging and radiation equipment.
- Responsible for ensuring all test and survey equipment is properly maintained and calibrated and for applicable record and documentation management.
- Interact with a cross-disciplinary engineering team (mechanical, electrical, software, imaging) on system designs and to help resolve customer problems and provide world class customer service
- Generate and maintain thorough and accurate documentation, drawings, schematics and trip reports.
- Ensure all work is completed in compliance with all applicable local, state, federal Electrical standards.
- Special projects, as required, to include: new equipment evaluations and testing; staff and/or customer training; varied related tasks.
- Travel to customer sites or other company locations worldwide (approximately 70%)

### **Essential Skills:**

- Associates or Bachelor's Degree in Electrical Engineering or Electronics Technology
- 2 to 5 years of experience in the repair and maintenance of electrical and/or electronic components.
- Previous experience troubleshooting electrical circuits down to the component level.
- Established understanding and experience working with high voltage power levels (>1KW)
- Proficient in the use of test equipment such as multimeters and oscilloscopes.
- In-depth understanding of electrical circuitry with established electrical safety work protocols and practices and ability to read electrical diagrams.
- Demonstrated soldering skills.
- Proficiency in the English language with established written and verbal communication skills
- Conversant with Microsoft Word, Excel & PowerPoint
- Ability to work in a fast paced dynamic environment; capable of prioritization, multi-tasking and effective organization.
- Excellent interpersonal skills
- Must be a US citizen and able to pass personal background and security checks in order to obtain clearance on various government and military sites
- Will need to successfully pass a drug test and present a clean and valid driver's license
- Knowledge of CE, UL, or other applicable regulatory guidelines or standards

**Non-Essential Skills:**

- Familiarity with repair and maintenance of imaging and x-ray components, systems and equipment.
- Prior experience working in the non-destructive testing (NDT) industry
- Previous field service position

**Physical Demands:**

- Regularly required to sit, walk, bend and stand.
- Domestic and International travel via air, rail and car.
- Will be required to lift, move, erect, install and assemble components of varying weight, height, length and width dimensions.
- Expected to effectively communicate in person, on phone, and via email and other electronic devices on a continual and repetitive basis.
- Will need to repeatedly use hands to finger, handle, feel and operate hand tools, power tools and standard office equipment.
- Will need manual dexterity to be able to complete required system and component cabling and wiring
- Day to day responsibilities will require lifting, moving, staging and placing of materials up to 50 pounds alone and heavier with assistance.
- Specific vision abilities required include close vision, distance vision and the ability to adjust focus.

**Mental Demands:**

- On a regular basis, will be required to:
  - use written and oral communication skills
  - read and interpret data, information and documents
  - analyze and solve non-routine and complex office administrative problems
  - be creative, make judgements, use reasoning and make decisions
  - observe and interpret situations
  - learn and apply new information or skills
  - perform detailed work on multiple, concurrent tasks
  - work under intensive deadlines with frequent interruptions
  - interact with internal and external customers holding positions from a wide array of disciplines and organizational hierarchy levels
- May need to interface with and effectively manage difficult/demanding individuals.
- Must be able to fulfill essential job function in a consistent state of alertness and safe manner

This job description is not designed to cover or contain a comprehensive listing of all activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.