

X-ray Imaging Applications Engineer

Responsible for x-ray inspection and imaging activities according to internal or external customer specifications and ensuring accuracy and clarity of results.

Job Description:

- Perform and document X-ray imaging studies with a variety of sources, detectors and geometries on sample parts.
- Analyze and recommend X-ray imaging components including type of source, detector and X-ray technique for a given industrial application.
- Troubleshoot imaging related problems for both in-house and field systems.
- Participate in imaging related activities for system testing.
- Apply known principles and techniques to examine, inspect and certify images of customer provided materials and complete required documents according to specific procedures and requirements.
- Monitor emerging imaging technology developments and determine applicability.
- Conduct experimental investigations with new imaging components and technologies.
- Work closely with sales team and upper management
- Interact with a cross-disciplinary engineering team (mechanical, electrical, software, imaging) to review, define, and design integrated system solutions to meet requirements of worldwide customers
- Acquire necessary certifications by attending relevant courses and passing certification tests.
- Develop and maintain best practices and quality processes for entire imaging function
- Travel to customer sites worldwide to perform application studies, training, inspections or demonstrations and/or to participate in system installation, repairs or troubleshooting: approx 50%.

Essential Skills:

- Bachelors Degree in scientific/technical/engineering discipline. BS in Electrical or Instrumentation Engineering or Computer Engineering preferred.
- Knowledge or familiarity with imaging concepts. Must have experience working with at least two of the following: image quality, image physics, image sensors, cameras, frame-grabbers, computer interfaces or imaging related hardware
- Prior usage of MATLAB, C/C++, C# or Visual Basic
- Proficiency in the English language with established written and verbal communication skills
- Must be up to date with all of the latest technologies
- Prior experience in a quality assurance, controlled design environment. (ISO 9000, NQA-1, or similar)
- Must be highly organized and self motivated
- Must be legally authorized to work in the US and able to obtain unescorted clearance to work at Government sites
- Excellent interpersonal skills with the ability to interface effectively with both customers and coworkers of varied disciplines
- Must be a creative problem solver with analytical skills

Non-Essential Skills:

- Ability to work in a fast paced team oriented environment
- X-ray imaging system experience
- Imaging processing experience