

Computed Tomography (CT) Inspections Engineer

Conduct a broad range of commercial inspection services and application studies using Digital Radiography (DR) and Computed Tomography (CT) in order to provide leading edge services and solutions to the aerospace, automotive, military and nuclear industries.

Job Description:

- Set-up and align parts to be inspected.
- Calibrate and operate DR and CT equipment in accordance with technical procedures and specifications.
- Interpret and evaluate x-ray images with respect to applicable codes, standards, and specifications. This will also require the acquisition of knowledge of the manufacturing processes used to make the parts being inspected.
- Use advanced software tools to review, process, enhance and evaluate the acquired images.
- Make acceptance/rejection decisions in accordance with the written criteria and instructions.
- Develop inspection techniques as directed and approved by the NDT Level 3.
- Understand the work in accordance with VJT's safe working practices and procedures for all aspects of work.
- Work to the quality management procedures and computer systems to handle, track and keep safe all customer parts and materials which are typically of very high value.
- Develop and use spreadsheet and other techniques as appropriate to enhance efficiency and effectiveness of inspection operations.
- Provide support in the preparation of quotations and presentations for customers.
- Assist in the preparation of formal inspection reports for submission to the customer.
- Help with coordination of project scheduling
- Interface with customers by phone, email and in person.
- Travel to domestic and international customer sites to assist with or conduct inspections at customer locations

Essential Skills:

- Bachelor's degree in a STEM discipline
- 1 – 2 years of experience in a technical role
- Strong mathematical skills with a good understanding of physics
- Excellent organizational skills, such as time and project management, and prioritization
- Self-motivated and confident with a positive attitude and ability to work in a team environment and apply creative problem-solving skills
- Excellent interpersonal skills and the ability to build and maintain relationships calling upon well-established and effective communication and writing skills
- US citizenship or permanent residency required

Non-Essential Skills:

- Prior experience working with x-ray or CT technology
- Certification as a Limited level II NDT Technician in Radiographic Testing – Digital Radioscopy by ASNT or under VJT’s SNT-TC-1A compliant written practice
- Experience operating a forklift, power hoist, pallet jack, or other manual and powered material movement and lifting equipment.
- Proven customer service skills

Physical Demands:

- Regularly required to sit, walk and stand
- 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 standard office equipment, basic hand and power tools, and powered forklift
- Must be physically able to
 - lift, move, reposition and carry material up to 50 lbs. alone or heavier with assistance
 - operate a power hoist, forklift, or other powered material movement mechanism
 - lift, bend, walk and maneuver as required to load and unload parts and set-up system equipment
- NDT Standards will require for the following visual acuity

Near Vision Options	Tumbling E in accordance with ISO 18490; 20/25 (Snellen) at 16" (40.64 cm) +/- 1" (2.54 cm); Jaeger No. 1 at not less than 12" (30.48 cm)
Color Perception	Personnel shall be capable of adequately distinguishing and differentiating colors used in the process involved.

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

- Must be able to fulfill essential job function in a consistent state of alertness and safe manner

This job description is not all inclusive and is subject to change at any time.