

Test Technician

Full-Time / Los Alamitos, CA USA

Alliance Spacesystems, LLC has an immediate need for Test Technician. A 40-hour workweek is standard but at times additional hours may be required to fulfill duties and responsibilities to meet customer requirements.

Job Summary:

Responsible for building, assembling structural and/or environmental test setups, apparatus tailored to meet customer-specific needs for structural qualification, proto-qualification and/or workmanship-type testing of aerospace-based composite flight hardware. Able to work independently and collaboratively with all levels of personnel; particularly with Test Engineers, other Test and/or Assembly Technicians and QA inspection to ensure test requirements are fulfilled to the customer needs and satisfaction.

Essential Job Functions:

- Able to assemble and build “one-off” type structural test setups, test fixture assemblies from blueprints, CAD layouts, digital photos and/or sketches or verbal instructions
- Able to read and comprehend written test documentation including test procedures, shop travelers, schematics, checklists, drawings and blueprint per ASME Y14.5
- Experience using standard COTS (commercial off-the-shelf) type fixturing, such as Unistrut, 80-20 extrusion to assemble test setups
- Experience using hand tools necessary to assemble bolted joints, cut and/or file metallic fixturing, light duty drilling using cordless power tools
- Able to perform basic drilling, cutting, filing, deburring of metallic fixturing
- Able to operate Milwaukee mag-drill, band saw, cordless power tools
- Able to use basic mechanical metrology tools; hand calipers, height gages, micrometers, scales to perform test setups and layouts.
- Able to perform basic strain gage bonding and hand soldering; tailored to light wire gages of 18 gage down to 30 gage
- Familiar with proper and safe use of standard lifting devices; lifting straps, shackles, pulleys, eyebolts, swivel hoist rings to execute rigging necessary for crane lifts
- Able to perform basic shop math; basic arithmetic, geometry
- Plus: previous experience with standard test equipment; loadcells, strain gages, deflection transducers, wheatstone bridge type sensors applied to structural testing.
- Plus: previous knowledge and/or experience with carbon fiber-reinforced composites and honeycomb panel composites testing, particularly tailored towards aerospace-type applications
- Plus: Proficiency using Vishay StrainSmart data acquisition systems, including System 5000 and 6000 or equivalent
- Plus: Proficiency using with MTS TestWorks and operation of Universal Test Machine apparatus or equivalent

Education/Experience/ Training:

High School Diploma or GED; previous shop experience; particularly with aerospace-type composites a plus

Physical Requirements:

The physical and environmental demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

- Regularly required to use hands and fingers to touch, hold, handle and feel
- Frequently required to stand, walk,
- Ambulate in and around test frame and scaffolding, climb up/down ladder
- Close vision, distance vision, depth perception and ability to adjust focus
- Noise level in the work environment is typically quiet to moderate noise
- Lift, carry, handle product weighing up to 50 pounds
- Periodic computer use, possibly up to four plus hours per day
- Work is performed indoors, moderate noise typical of a production environment

Work Schedule:

The standard start time is 5:00am but requirements may change depending on customer needs, this start time could be moved forward or backward on a daily basis. The standard workweek is Monday thru Friday, 8 hours per day. Pre-shift, post-shift and weekend overtime may also be required.

TO BE CONSIDERED FOR THIS POSITION, PLEASE VISIT OUR WEBSITE:

[Alliance Spacesystems.](#) To Apply, Download The Application, Complete It, And Together With Your Resume Email It To Resumes@Alliancespacesystems.com

EQUAL OPPORTUNITY EMPLOYER/PROTECTED VETERANS/INDIVIDUALS WITH DISABILITIES

All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, sexual orientation, gender identity, national origin, protected veteran status, or on the basis of disability.

PAY TRANSPARENCY POLICY STATEMENT

The contractor will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor's legal duty to furnish information.

ITAR "U.S. PERSON" INFORMATION

Alliance does not discriminate in hiring on any basis, including citizenship, and our job postings are open to US citizens as well as non-U.S. citizens. However, the person hired will have access to information and items protected under the International Traffic in Arms Regulation (ITAR), and therefore that person must be a "U.S. person" as that term is defined under ITAR, 22 CFR 120.15. [U.S. Person Information](#)

Alliance Spacesystems LLC participates in [E-Verify](#).
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