

FLUID COMPONENTS INTERNATIONAL, LLC.
Designer/Drafter 2 Aerospace

Position Purpose:

Working under general supervision of the department supervisor/manager is responsible for the documentation and changing of engineering drawings.

Essential Job Functions (primary duties and outputs of position):

- Work with Design engineer to create or modify drawings.
- Manage files creation and sign-in using ADEPT (product data management) .
- Create 3D modeling of assemblies and parts and generate detailed dimensional drawings using Solidworks.
- Troubleshoot assemblies for fit, form and function.
- Interpret and incorporates redline changes to existing engineering documents using ECN process.
- Generate manufacturing work instructions.
- Generate bill of materials.
- Generate outline/dimensional drawings and wiring diagrams.
- GD&T Dimensioning and Tolerancing experience.

Safety

Follow safe work practices, participate in safety training as required, and report any unsafe condition or accident.

Quality

Understand and support the quality policy and the appropriate elements of the quality management system for their areas of work

Communication

- Communicate effectively in English, both verbally and in writing.
- Maintain effective and constructive working relationships with others both internally and externally.
- Assist in the preparation of effective reports and presentation of departmental information.

Education/Work Experience/Qualifications:

- Education: Associate degree in computer aided design, mechanical drafting.
- Prior work experience: 1-2 year experience with degree. Equivalent progressive work experience equal to 4-5 years without degree.
- Basic knowledge of machining processes.
- Basic knowledge of welding processes.
- Basic knowledge of multiple formats for CAD (IGES, STEP, SLDDRW, etc.)
- Previous experience managing files thorough a product data management platform, ADEPT preferred.
- Experience reading and interpreting blue prints.
- Experience using 3D Modeling Solidworks platform, CSWA or CSWP preferred

- Must have attention to detail
- Strong knowledge of Microsoft Office – Outlook, Excel, Word.

Physical/Travel Requirements:

This position requires sitting, typing and working at a computer station 80% of the time. Minimum walking or standing, and lifting up to 15 lbs. are required. This position does not require travel.

These duties may be modified or changed at any time at the sole discretion of management either orally or in writing. The above statements are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of this position. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.

FCI pioneered the development and application of thermal dispersion flow and level sensing technology. The Company is the world-recognized leading manufacturer for solving flow and level measurement applications for industrial process and plant applications using patented thermal dispersion flow measurement technology. The Company began in 1964 and is the world leader in thermal mass flow meter technology.

FCI is an equal opportunity employer with a commitment to affirmative action for minorities, women, persons with disabilities and veterans. FCI is an active participant of the DHS and SSA E-Verify program.
Company Description:

From off-the-shelf product solutions to custom engineered products and systems, FCI provides world leading experience and a record of unequalled innovation to meet or exceed our customer application demands. Complimenting FCI product leadership is a world class Flow and Level Calibration Facility in which all calibrations are performed in liquids or gases utilizing only N.I.S.T. traceable equipment and instrumentation.