

# Mechanical Design Engineer

Middleburg Heights, OH

## Responsibilities:

- Create 3D Models of components and assemblies based on input from Engineers, Manufacturing, and Quality Assurance.
- Create Technical Drawings for manufacturing and procurement.
- Provide support during the fabrication and assembly process.
- Responsible for control and release of drawings using data management tools such as Windchill.
- Revise legacy designs utilizing the ECO change process.
- Coordinate with and consult Engineers and other discipline Engineers/Designers to design, layout, or detail components and systems and to resolve technical issues.
- Contribute to multiple projects from a mechanical design and development perspective.
- Participate as a member on development of projects and in team meetings.

## Requirements

- **US CITIZENSHIP OR VALID GREEN CARD REQUIRED**
- 3+ years' experience in Design, Engineering, or related experience.
- Good understanding of drafting standards, practices, and methods.
- Familiarity with ASME Y14.5 Geometric Dimensioning and Tolerancing (GD&T).
- Working and functional knowledge of Pro/Engineer, specifically CREO 7.0.
- Knowledge of manufacturing processes.
- Ability to multi-tasks and manage multiple projects simultaneously.

## Preferences

- BS degree in Mechanical Engineering from ABET accredited College or University.
- Working knowledge and understanding of Siemens NX Unigraphics, version 1917 or newer.
- Machine shop and practical mechanical skills a plus.

## **About Us**

ZIN Technologies, Inc. is a federal contractor and an award-winning AS 9100 registered small, disadvantaged business (SDB) headquartered in Northeast Ohio. Established in 1957, ZIN is a leader in providing advanced engineering services and product development solutions for NASA, DoD, and private industry.

ZIN provides full lifecycle development of aerospace systems including design, development, engineering, integration, test, evaluation, orbital operations, systems modeling, simulation, verification, and validation. The flight hardware lifecycle spans concept definition, design, development, fabrication, verification, integration, launch, operations, and data processing.

We offer expertise in multi-discipline engineering, system and product development, production, and research and technology development. ZIN'S engineering capabilities include systems, mechanical, electrical, fluids, propulsion, structural, thermal, integration and test.

ZIN has a strong heritage in the areas of Space Operations including payload operations, space communications, navigation, and network reconfigurable testbed. ZIN supports exploration systems (ORION, SLS, ISS, commercial vehicles) and space technologies (advanced communications, power, propulsion, cryogenics).

Our award-winning 200+ person organization consists of scientists, engineers, designers, and technicians. ZIN employs an integrated performance-based management approach, providing experienced people, proven processes and tools and exceptional cost, schedule, and technical performance while identifying and managing program and project risks.

Offering Unsurpassed Product, Process and Service:

- Prime contractor
- Sub-contractor
- Product manufacturer
- Value-added service provider

## **Company Benefits and Programs**

In addition to competitive salaries, ZIN offers excellent benefits to our associates, including medical, vision, and dental insurance; short- and long-term disability; life insurance; paid leave and paid holidays; 401(k) retirement plan (immediate vesting); education and training reimbursement; professional development opportunities; employee assistance program; flexible spending plans; credit union membership; and direct deposit.

As a federal contractor, ZIN Technologies strives to comply with all applicable customer, federal, state, and local requirements, up to, and including, COVID-19 vaccine regulations. ZIN Technologies may require its employees to obtain full COVID-19 vaccination, provide proof of vaccination status as a condition of employment, provide documentation to substantiate a valid exemption, as defined by law, and/or comply with all safety protocols related to COVID testing, mask wearing, and physical distancing while in covered contractor workplaces.

**ZIN-Technologies, Inc. is an Equal Employment Opportunity Employer**

Minority/Female/Disabled/Veteran