



Powertrain Technology Group
6021 Triangle Drive
Raleigh, NC 27617

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SolidWorks CAD Positions

Symbrium has immediate openings for experienced **Modelers** and **Detailers** for custom engineered powertrain testing systems. These positions are for our Triangle Facility in Raleigh, NC.

Symbrium works with some of the largest corporations in the world that produce aircraft jet engines, wind turbines, locomotives, automotive powertrains and other highly engineered precision systems.

Desired Experience:

- Expert level of proficiency in SolidWorks
- Familiarity with precision machine elements: gears, shafts, bearings, etc.
- Knowledge of GD&T
- Experience with PDM and working as part of a Design Team

Responsibilities:

- Synthesize machine concepts using SolidWorks CAD working closely with a dedicated team of engineers and project managers.
- Create machine layouts based on approved concepts and functional specifications.
- Work with the design and engineering team to generate complete packages of detail drawings, bills of materials and assembly instructions that are sufficient for the procurement and fabrication of parts and machine assemblies.
- Assist the engineering and build teams in the assembly, integration and validation of machines on the floor.
- Ensure compliance to design and quality standards.

Mandatory Qualifications:

- US Citizen
- 2 Year or 4 Year technical degree.

Other Qualifications:

- Basic engineering math and physics including the construction of free body diagrams, simple stress analysis and trigonometry
- Excellent organizational and communication skills

A skill test will be administered to all persons who interview for this position including a basic engineering knowledge quiz and a CAD exercise using SolidWorks 2020. Growth potential is Lead Designer or Project Manager.

Symbrium, Inc. is an equal opportunity employer. Please submit resume to hr.manager@symbrium.com