



VIVID-designinc.com

## SOLIDWORKS DESIGN ENGINEER

### Summary:

Responsible for creating 2D and 3D designs, based on job specifications, concept sketches, verbal instruction and design standards.

### Essential Duties and Responsibilities:

- Will report directly to the Lead Mechanical Engineer
- Use SolidWorks 3D software to design fixtures and gages
- Able to develop and maintain a complete and current Bill of Materials
- Experience working with optical components is a plus
- Develop appropriate solutions to resolve design problems
- Maintain proper design approval and submit complete set of drawings
- Minimize time to completion in all phases, including engineering, purchased parts, fabrication and assembly
- Follow assigned design procedures in an orderly form: concept, review, design and detail
- Assist in establishing and maintaining continuous improvement for design and build standards

### Education / Experience:

- Bachelor's degree in Mechanical Engineering or related field is preferred
- 5+ years experience designing mechanical components
- Proficient with all the elements of the SolidWorks CAD software
- Must understand and be able to apply GD&T, utilizing the tool set in SolidWorks
- Strong knowledge of moving mechanisms and machine design, component part design and machined part processes
- Knowledge of material processing, handling and welded structures
- Robot experience is a plus
- Ability to work a project from concept to manufacturing