

## Product Development Specialist – Mechanical Engineer

Contact Sippel Glidden at 507.269.6878

This design-focused product development engineer has over 12 years of experience in the field including six years of mechanical design experience in the product development area. The experience ranges from high performance computer hard drive components to functional hardware design for a variety of products in the contract manufacturing business. She has also worked for large equipment OEM's in the industrial sector.

She holds a Bachelor of Science degree in Mechanical Engineering from Iowa State University, and holds an Associate of Arts degree from Iowa Central Community College.

She has successfully overseen the mechanical design of a wide range of products meeting the customer requirements and industry standards, responsible for all deliverables relating to the mechanical design and engineering of the product. She has worked with cross-functional project teams and is very knowledgeable about DFX processes, including design for manufacturability.

She also has 3 years of experience in the area of product launch from design to manufacturing, working with teams specifically tasked with reviewing and finalizing all design phases and product documentation to ensure a smooth transition to manufacturing. And finally, she has 3 years of experience in Supplier Quality Engineering. She is knowledgeable in supplier evaluation and assessment processes as well as supplier quality controls and quality systems that ensure quality parts coming in the door.

Other skill sets and targeted experience include:

- **Change Control**: Role as a key member of a team that coordinated and implemented the transition from a paper ECO system to an online software based ECO system at a major contract manufacturing company.
- **Process Documentation**: Worked as a consultant for an industrial equipment manufacturer documenting the process on the production line as part of an effort to bring them into compliance with industry standards.
- **Failure Analysis**: Solving problems with dynamic systems to determine the root cause and eliminate performance issues.
- **Motor Life Testing/Reliability**: Conducted and documented motor life test, ongoing accelerated life testing.
- **Computer Skills**: Proficiency in all **Microsoft** Applications, **Autocad**, **Solidworks** (Including formal training courses), **Matlab** (data analysis and manipulation), **Visual Basic** Software for data acquisition and reduction, **Agile Document Control** Software, **Lotus Notes** Applications, and a Working knowledge of MAPICS/AS400.
- Geometric dimensioning & tolerance courses and familiarity with ISO, FDA, and MILSPEC standards.

*This resource/candidate is available full-time or part-time, on a contract basis.*

