

## Mechanical Engineer

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If making an impact is rewarding to you, then come join one of the fastest-growing technology companies in the Chicago area. At UICO, you will find yourself in a stimulating and rewarding work environment with considerable growth potential. As a Mechanical Engineer you will design, develop and document hardware for UICO duraTOUCH® touchscreens and touch surfaces. You will work in a multidisciplinary team to develop new products and advance the technology of current products. You will need to be a self-motivated, top performer ready to work in the dynamic and demanding environment of a rapidly growing small company. Applicants with consumer electronics product development experience are highly desired. Be prepared to submit a portfolio of work or examples of past work.

### Job Functions:

- Design no-compromise touchscreens that work with stylus, fingers, and gloves in the presence of water, sweat, and other contaminants
- Create 3D CAD files in SolidWorks based on customer and manufacturing requirements
- Create 2D dimensioned drawings in AutoCAD LT based on 3D CAD files
- Apply knowledge of factory manufacturing capabilities to create stack-up tolerances
- Lead DFMEA on all designs to assess potential areas of Risk
- Lead customer product integration reviews
- Work closely with customers to document design intent and communicate any changes to/from factory
- Review all designs for manufacturability with overseas factories based on process/material capabilities
- Provide guidance to Mfg/Eng teams for customer requested Mechanical testing, and gather/organize test results to send to customer
- Administer qualification testing at outside labs and create test reports
- Gather documents and administer Engineering Change Notices (ECN) and Temporary Deviation Report (TDR) processes
- Create and maintain BOMs for components and assemblies in ERP system
- Support manufacturing with production issues
- Support sales team on potential business wins

### Desired Skills & Experience:

- At least 3-5 years of experience in the design, development, and documentation of New Product Development (NPD) of electro-mechanical or electronic devices preferably in a manufacturing environment
- Bachelor of Science in Mechanical Engineering, candidate for Master of Science in Mechanical Engineering, or equivalent
- Experience in creating and modifying 2D and 3D CAD files; experience with AutoCAD and SolidWorks is preferred
- Experience with the standard suite of Microsoft Office software; Excel, Word & PowerPoint are critical
- Experience in delivering drawings to a factory & manufacturing team and negotiating engineering design within manufacturing capabilities.
- Experience in leading mechanical design and integration discussions with the customer
- Experience with PDM systems, electronic documentation and control processes, document revision control and part number creation
- Able to accurately document changes and lead a disciplined process for product release
- Self-starter and independent worker who can proactively raise risks and issues immediately
- Experience in working closely with different engineering disciplines to coordinate critical path items in designing an electro-mechanical system
- Knowledge and experience applying GD&T and tolerance analysis in a manufacturing environment
- Organized and extremely detail oriented
- An effective verbal and written communicator that can express ideas in a clear and concise manner