Corning Incorporated Contact: Matthew Johnston

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**Measurement Systems Engineer - Full Time** 12/03/2021

**Summary:**

Corning Incorporated is looking for highly motivated systems engineers to design, build and install measurement systems for development and manufacturing environments. This role requires individuals who are skilled in electrical design, software development, sensors, and a thirst for fundamental understanding. If this sounds like you, keep reading…

**Scope of Position:**

Develop, assemble, and test control systems for measurements in support of the development and manufacturing of Corning products. Manage the transfer of technology from the lab to the manufacturing line.

**Day to Day Responsibilities:**

* Design, build, and test electrical control systems geared towards measurement development
* Work with a variety of cross functional groups (Development, Quality, IT, Purchasing, Operations) to define, develop and implement controls solutions for measurement and instrumentation systems.
* Transfer technology from early-stage development to a product suitable for robust use in manufacturing.
* Leverage external suppliers for key technologies or core competencies such as system integration.
* Define Scopes of Work, competitively quote when appropriate, issue Purchase Orders, track supplier work and approve invoices.
* Design experiments and analyze data to identify and implement improvements to measurement systems or production processes.
* Create/update documentation for release to production including Machine Specifications; operating procedures and drawing packages.
* Train engineering, maintenance and operations people how to use and maintain measurement systems.
* Provide remote and onsite troubleshooting using data and performance analysis of the installed systems.

**Travel Requirements:**

* 10-30% domestic and international travel (Asia, Europe).
* Trips of one-day to several-week duration are typical.

Hours of work/work schedule/flex-time:

40 hrs./week

Required Education:

Prefer BS, MS or PhD in EE, CSE, ME or Physics

Training or hands-on experience with electrical systems is major plus

Required Experience/Skills:

* Fundamental knowledge of electrical systems
* Hands on experience with specialized tools and measurement instruments for mechanical, electrical, and optical systems building and debugging
* Ability to select and specify commercial standard electrical parts
* Programming experience in one or more of the following: PLCs, Motion Control, LabVIEW, Microsoft Visual Studio (C# or Visual Basic)
* Experience in design tools: AutoCAD or Solidworks
* Strong communication and presentation skills (MS Office programs)
* Data retrieval, plotting and analysis (primarily using Microsoft Excel)

Desired Experience/Skills:

* Control system development (electrical layout, wiring, component selection)
* Experience with electrical/optical/mechanical installations, including system checkout and troubleshooting
* Laser Experience
* Motion Control – ability to integrate motion on imaging platforms
* Process engineering knowledge. Experienced with design of experiments, statistical analysis and process improvement
* Experience with MatLAB, Python, or other data manipulation software
* Experience with Metrology, Inspection and Product Quality in support of production organizations
* Computing – Familiar with high performance computing systems

Soft Skills:

* Interpersonal skills - able to interact effectively with customers & coworkers
* Effective communication
* Customer focused
* Able to work independently
* Results oriented
* Quick learner
* Ability to multi-task
* Ability to work with others for whom English is not their primary language

Send resume to Matthew Johnston at johnstonmm@corning.com