Sherex Fastening Solutions
400 Riverwalk Pkwy, Suite 600
Tonawanda, NY 14150

Tooling and Automation Engineer II
Buffalo, NY

Job Posting: 11/25/2019

Summary: Key position in the organization to take responsibility for and assume single point of accountability in developing and supporting advanced fastener installation tooling product line standards across various end markets. Technical point of contact for issues that are critical to tooling product development and sustainability.

The Tooling and Automation Engineer II will work with customers and suppliers on applications requiring technical support of automation and control systems. This will include playing a key role in tooling set-up as it pertains to application requirements, tooling recommendations to meet "lowest total installed cost" goals, and continuous improvement to all tooling product lines. They will work with automation suppliers to manage large projects with customers, as well as with Applications Engineers, and Supplier Partners to ensure tooling setup meets all applicable standards.

This position will also consider and evaluate fastener design as it relates to installation tooling system proposals.

Department: Engineering
Supervisor: Engineering Manager

Essential Duties and Responsibilities: *The following statement reflects the general details considered necessary to describe the principle functions of the job identified and shall not be construed as a detailed description of all work requirements that may be inherent to the job.*

1. Develop innovative methods to expand existing advanced fastener installation tooling product lines
2. Provide technical support in relation to automated systems
3. Manage tooling systems projects from inquiry to implementation
4. Act as technical expert liaison between tooling equipment suppliers and end users
5. Develop supply chain for tooling and automation components
6. Troubleshoot controls systems issues as they relate to the fastener installation process

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Qualification Requirements: *To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Education and/or Experience:

- BS in Engineering (electrical, or mechanical with electrical focus) with 3-7 years' experience in control systems as it relates to robotics and automation or 5-10 years equivalent experience in control system troubleshooting.

- Experience in Electro-Mechanical systems and ladder logic, as it relates to Programmable Logic Controller (PLC) programming desired.
  - Knowledge of and experience with Human Machine Interface (HMI) programming
  - Demonstrated ability to remote support control system related issues
  - Able to interpret and create electrical diagrams
  - Knowledge of current electrical standards
  - Knowledge of TCP/IP and Profibus Networks

Language Skills:

- Ability to read and write English to maintain records and create reports for various purposes.
- Ability to effectively present information and respond to questions in one-on-one and group situations involving employees, suppliers, customers and the public.
- Ability to understand German is desired.

Mathematical/Analytical Skills:

Apply engineering calculations and assumptions to new product design, develop product Design of Experiments, & Testing Program. Working knowledge of Six Sigma Methodologies and Lean Manufacturing desired.

Other skills and Abilities:

- Strong Mechanical aptitude. Fluency in Microsoft Excel, Power Point, & Word is required. Self-motivated as well as being goal orientated (written) is a must.
- Ability to work independently and successfully handle changing of priorities.
- Able to manage projects from concept to completion.
- Strong communication skills, especially with customers, is a must
- Strong aptitude for technical report writing
- Domestic and overseas travel and/or travel to other North American countries will be required (approximately 25%).

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Reasoning Ability:

- Ability to apply common sense understanding to carry out detailed written and oral instructions.
- Ability to deal with problems involving several variables in standardized situations.
- Ability to review data, draw conclusions and make suggestions based on data.

Physical Demands: *The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

While performing the duties of this job, the employee is required to stand, sit, and other typical office activities. In addition, the job requires full digital aptitude in order to repair mechanical components. Specific vision abilities required by this job include close vision and the ability to focus.

Work Environment: *The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

The day-to-day work environment consists of a standard office environment. The temperature and noise levels in the work environment are moderate. Occasionally requires working in an engineering/test area when tool evaluation and set-up as well as product testing is required. The temperature and noise levels in the work environment are also moderate. Will require travel to a customer facility for trouble shooting and/or application design/development work, whereas the work environment can become more harsh and physically demanding.