

# Application Engineer

**COMPANY** AccuSentry, Inc ([www.accusentry.com](http://www.accusentry.com))

Provides Actionable Intelligence through 100% Product Inspection and Quality Management System (QMS) to Improve Manufacturing Profitability -- Improve product consistency, reduce product waste, and optimize production performance. AccuSentry is the one stop integrated solution for Machine Vision Inspection of continuous web, sheet and discrete components in the absorbent disposables, nonwovens, automotive, semiconductors, electronics, pharmaceutical, textile, contact lens, plastic, metal and other industries. AccuSentry has been providing superior support and service since 1991.

## SUMMARY

The Application Engineer plans, designs, coordinates, and implements the integration of visual inspection equipments into manufacturing process to improve product quality and increase manufacturing efficiency by applying mechanical, electrical, optical, and programming knowledge along with basic principles of engineering.

## PRIMARY RESPONSIBILITIES

- ✓ Interface with customer's engineering staff to determine requirements and specifications in order to install visual inspection equipments on their production lines.
- ✓ Determine camera viewing angle and optimal camera placement.
- ✓ Design mounting framework for inspection systems to be fitted on production lines.
- ✓ Determine lighting and lens requirements for imaging specific type of manufactured product.
- ✓ Prepare part lists of the required peripherals for complete inspection system assembly.
- ✓ Program and configure visual inspection software to meet customer's specifications.
- ✓ Use various mechanical tools to fit mounting frames and install inspection system on production lines.
- ✓ Connect electronic signals between the inspection system and the production line for image acquisition and rejecting of bad products.
- ✓ Interface with customers to determine test procedures and acceptance criteria.
- ✓ Operates equipment through trial run to verify setup.
- ✓ Adjust, test, and validate inspection system to meet required functionality.
- ✓ Adjusts controls and setup of inspection equipments.
- ✓ Confer with establishment personnel to implement operating procedures and resolve system malfunctions.
- ✓ Determines parts supply, maintenance tasks, safety procedures, and service schedule required to maintain machines and equipment in prescribed condition.
- ✓ Conduct training for production engineering staff, plant operators, and maintenance personnel regarding setup, operation, and maintenance of equipment.
- ✓ Perform follow up service to repair and/or upgrade equipments.
- ✓ Write installation report.
- ✓ Maintain good rapport with customer's production and engineering staff.
- ✓ Work with Sales, Marketing and Development team to communicate potential new systems at customer's manufacturing sites.
- ✓ Participates in meetings, seminars, and training sessions to stay apprised of company's new product developments.
- ✓ Participate in work sessions to improve project workflow and project implementation efficiency.
- ✓ Confer with workers in other departments, such as marketing, manufacturing, and engineering, to provide technical information and ideas on new product development.
- ✓ Other duties as assigned.

## **ESSENTIAL QUALIFICATIONS, KNOWLEDGE AND SKILL REQUIREMENTS**

- ✓ Worked with electronic and mechanical industrial equipments in 24/7 production environment.
- ✓ Working knowledge of mechanical and electrical principles.
- ✓ Experience with logic & programming principles.
- ✓ Experience in Windows environment & basic office software skills
- ✓ Knowledge of fundamental techniques of experimentation.
- ✓ Good oral and written communication skills.
- ✓ Strong technical debugging capabilities.
- ✓ Traveling to customer sites required.
- ✓ Experience in a small to medium size company.
- ✓ Work requires willingness to work a flexible schedule.
- ✓ Knowledge of vision machine solution industry a plus.
- ✓ Cameras / lighting experience.
- ✓ CAD experience is a plus.
- ✓ Other specific knowledge and skills may be required.

## **EDUCATION REQUIREMENTS**

- ✓ Related BS degree, preferably in Mechanical Engineering, with two to four years of relevant work experience.

## **COMPENSATION**

- ✓ Targeted salary is competitive based on experience, accomplishments and unique circumstances.
- ✓ Competitive benefits package.

## **RELOCATION**

- ✓ Location of the position must be based in AccuSentry's Atlanta Headquarters area..
- ✓ No relocation package available.