



**JOB DESCRIPTION**

Job Title	Department Name	Location/ office	Date Updated
Automation Controls Engineer	Controls Engineering	Rochester, NY	3/14/2011
<b>This position reports to:</b>			
		Title: Controls Engineering Manager	
<b>Completed by:</b>			
		Title: Controls Engineering Manager	

<b>PART A: Major Function</b> Describe the overall purpose and end results of this position.	
Hardware & Software design and debug of industrial controls for various custom automated test and assembly machines.	

<b>% Time Spent</b> Total = 100%	<b>PART B: Specific Duties</b> In order of priority, list the essential duties and responsibilities of this position, the percentage of time spent on each, and key performance measures.
20	Design/Specify and Integrate Electrical and Pneumatic, Hydraulic Control Systems Hardware for Automated Assembly, Test, and Material Handling Systems.
65	Design Control Software for PLCs; PCs; Industrial Touch screens; robotic, stepper and servo motor controls; machine vision; industrial test systems; and much more. Play an integral role in system commissioning and customer acceptance at Calvary.
5	Write machine functional/maintenance manuals based on designs.
10	Install, train, and commission machines at customer's site. Play integral role in system acceptance/sign-off at customer facility

**List Additional Duties/Responsibilities:**

1. Other duties as assigned
- 2.

<b>PART C: Management Ability/ Skills</b> Describe the overall management skills necessary to be successful	
Management of own time, Ability to work well with other disciplines within the organization. Ability to clearly express ideas in both verbal and written form.	
Estimation of time / \$ to complete projects	
Organization, prioritization of tasks in assigned projects.	
<b>List the Titles of This Position's Direct Reports:</b>	
<b>Total Direct Reports</b>	

**Knowledge, Skills and Experience Focus On What A Candidate Knows.**

**PART C- I: Qualifications**  
Education /License/ Certification required for this position

Bachelor of Science degree in Electrical Engineering, Computer Engineering, Electrical Engineering Technology, or Electro-Mechanical Engineering Technology.

**PART C – II: Qualifications**  
Experience required for this position

Experience selecting and designing hardware to control and monitor industrial machinery and/or industrial processes.

Experience applying PLC-based programming languages to control and monitor industrial machinery and/or industrial processes.

Experience integrating industrial devices.

**PART C – III: Qualifications**  
Skills & Knowledge required for this position:

Allen-Bradley RSLogix5000, FactoryTalk View Studio, FactoryTalk Transaction Manager

Siemens Step7, WinCC Flex, Telemecanique Unity, Concept, PL7

Epson, Fanuc, ABB, Denso, Intelligent Actuator or other robotic control and programming platforms

Cognex Insight, VisionPro, or other industrial vision programming

Computer /  
Technical  
Skills:

Excel, Word, Access

AutoCad

**PART D – I: ACTION - ORIENTED COMPETENCIES**  
Competencies focus on how they utilize Skills & Knowledge  
*List the top 3-5 competencies that are associated with performing at a superior level.*

Self-motivated

Hands-on

Leadership

Results driven

**PART D – II: INTERPERSONAL COMPETENCIES**  
Competencies focus on how they utilize Skills & Knowledge  
*List the top 3-5 competencies that are associated with performing at a superior level.*

Building customer relationships

Ethical behavior

Strong written and verbal communication skills

Ability to work as leader or part of a team

