

Robot Integration

What can a robot do for your business today?

- Decrease machinery cycle times
- Improve reliability & Quality
- Reduce costs
- Allow re-usability (re-deployment)
- Simplify changeover for different products
- Reduce downtime
- Reduce preventative maintenance
- Lower MTBF

What jobs can a robot do?

- Painting
- Sealing & dispensing fluids
- Material handling
- Assemble products
- Package & palletize products
- Material loading

Call us to discuss your automation or robotic integration project!



Engineering & Integration Services

Do you need engineering support for your growing business?
BG Automation can provide all of the following services:

Mechanical engineering including:

- Design
- Drafting and detailing using SolidWorks 2007

Electrical engineering including:

- Component selection
- Control system design
- Panel layouts
- Schematic generation using AutoCAD 2007

Programming

- PLC's
- Servo Systems
- HMI's
- Robots

Documentation support including:

- Bills of materials
- Operator manuals
- Training manuals
- Equipment safety manuals
- LO/TO documentation
- Preventative maintenance documentation

BG AUTOMATION ENTERPRISES, INC.

BG Automation was founded by Bob Gagne in April of 2000. Mr. Gagne has a background in both mechanical and electrical design. He has over 15 years of experience with the design, development, management and integration of high speed, complex automation and capital equipment.



Our capabilities include:

- Design and Build Custom Automation
- Robotic System Integration
- "Build to Spec" Systems
- Risk Assessments & Safety Circuit Design
- Vision Inspection System Integration
- PLC & HMI Programming
- Electrical Control System Design
- Electrical Control Panel Fabrication & Assembly
- Project Management and Engineering Assistance
- Machine Upgrades and Retrofits

BG Automation IS your engineering and automation specialist.

The bottom line is: we can handle whatever project you need to outsource. We have the technology, the resources, and the know-how to get the job done! Our engineers have worked on projects for many Fortune 500 and Fortune 1000 companies including:



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Vision Inspection Systems

What can a vision inspection system do for your business today? Here are some of the tasks that can be performed by vision inspection systems:

- Dimensional measurements & verification
- Component presence verification
- Color sorting & color inspection
- Bar code reading
- Proper assembly verification
- Robot Guidance

Quality is one of the top metrics used by consumers to judge products today. Quality, as well as product uniformity, are also key factors in assuring that business profit margins are realized. This can be measured in scrap reduction, fewer customer returns, overall consumer satisfaction, as well as increased repeat customers.

BG Automation can help you increase **profits** and ensure product **quality** by installing a vision system for you today!



Equipment Safety Analysis

Safety in the workplace has become one of the most important considerations when specifying new capital equipment. Why? The cost of making a machine safe is significantly less than the cost of employee lost time, litigation, increased insurance costs and fines for even just one injury. Equipment safety is evaluated by performing a Risk Assessment on a machine. This evaluation will determine the risks to staff interacting with a piece of equipment through it's entire life cycle - from installation to decommissioning. BG Automation has extensive experience with NFPA, CE, ANSI/RIA, and OSHA standards and their application. We can assist you in performing a **Risk Assessment** and ensuring that the correct **guarding** and **safety devices & circuitry** are installed to meet these requirements.



We use only the highest quality components in our equipment. Some of them include:



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BG AUTOMATION ENTERPRISES, INC.

Bob Gagne, President

Your Automation and Engineering Specialist

Dedicated to excellence in automated system design, integration and support.

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