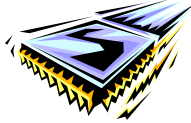


## Control Equipment

Control equipment we are familiar with includes, but is not limited to the following:



### **Programmable Logic Controllers**

Allen-Bradley (PLC3, PLC5, SLC500, Micrologix, CompactLogix and ControlLogix), General Electric, Mitsubishi, Modicon, Omron, Siemens (including Safety PLC), Systems Electronics Group, and many "brick" styles.

### **Motion Controllers**

#### **(Servo and Stepper Motors)**

Allen-Bradley (GML and Script), Animatics, Automation Modules, Delta Tau, Galil, Ormec, Pacific Scientific, Parker, QuickSilver, Superior Electric, Warner Electric.

### **AC Variable Frequency Drives**

ABB, Allen-Bradley, Magnetek, Mitsubishi, Reliance and Siemens.

### **Other Industrial Controllers**

Octagon Systems, West Instruments, Watlow, Eurotherm, Industrial PCs.

### **Operator Interface / Scada Systems**

Allen-Bradley (DH+, Pyramid Integrator, Panel-View), Citect, Computer Technology Corporation, Factory Link, Siemens, WINtelligent, Wonderware and many text-based units.

### **Vision Systems**

Cognex/DVT, Banner

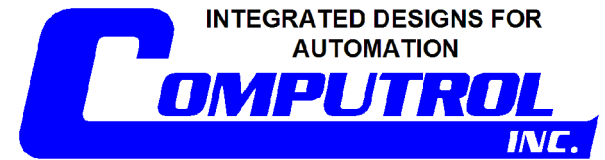
## Customer History

Customers we have served include:

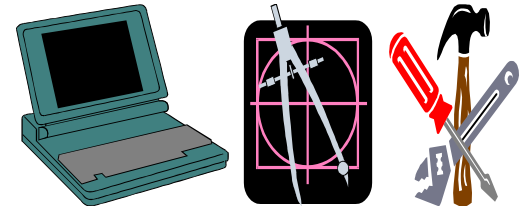
Adolph Coors Brewing Company  
Ball Metal Beverage Container Corporation  
C.A. Arnold & Associates  
Cobe Laboratories  
Crown Cork & Seal / Carnaud MetalBox  
Custom Machining Corporation  
Dakota Technology / Iowa Beef Packers  
Friskies Pet Foods / Nestle  
Gambro BCT, Inc.  
Kidde Safety  
Metal Packaging International  
Preferred Machining Corporation  
Rapsco, Inc.  
Rexam Beverage Packaging  
Rocky Mountain Metal  
Rx Systems, Inc.  
Sandoz Pharmaceuticals  
Schmalbach Lubeca / Continental Can Europe  
Silgan Manufacturing Corporation  
Stolle Corporation  
Wright & McGill (Eagle Claw fishing tackle)



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- **Control System Design**
- **System Integration**
- **Compound Applicators**
- **Vision System Integration**
- **Electronic Gun Liners Spares and Service**
- **Training / Technical Support**
- **Startup Support**
- **Project Management**
- **Data Acquisition Systems**

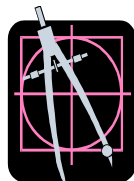


Established in 1989, Computrol, Inc. is an engineering firm and systems integrator dedicated to all facets of the industrial automation process. With extensive experience providing solutions for automation, we at Computrol take pride in our reputation as an innovative and forward thinking company with an emphasis on customer relations.

# Computrol, Inc. Services

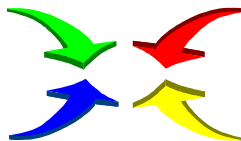
## Control System Design

- We can assist in development of system requirements for your application from the ground up.
- Once system requirements are known, we can design and provide the control system for a single piece of equipment or a complete line.
- We excel in the research and development of new equipment to be used for automation.
- We have designed systems to meet NEC, UL and CE approvals.
- Our standard engineering package includes: all electrical or fluid schematics (using AutoCAD), wiring interconnection schedules, a major parts list, and programs for all controllers.



## Systems Integration

- Our designs can integrate components from various manufacturers into a control system for your machine or process. This approach helps provide optimum performance of the control system. Where possible, we work with machine or process designers, operations personnel and maintenance technicians to incorporate all points of view into the design of the control system. Using our vendors, we can also provide the control panels needed for your machine or production line. Integration continues with panel checkout and acceptance testing with the machine or process.
- The systems integration approach is applied to a single machine, a complete manufacturing line or a process installation.



## Compound Applicators

Computrol has received a patent for our new compound applicator. Our new applicator shows no visible overlap for 1, 2 or 3 turn lining and fits nicely into existing solenoid-driven gun mounts.



## Vision System Integration

- Cognex/DVT Certified Systems Integrators.
- Our can end inspection system is designed to meet specifications without breaking the budget.



## Electronic Gun Liners

### Service / Spares

- Buy spare electrical parts for liners directly.
- Repairs of Liner PLCs (panel and tank). Most problems with these PLCs can be repaired for a fraction of new. We warrantee our work!
- We have experienced mechanical and electrical field service engineers.
- Liner control system upgrades.



## Training / Technical Support

- Computrol has extensive experience at providing on-site customer training for control systems and basic computing skills. We have given training classes on five continents.
- We are easily reached via phone or e-mail and are always prompt in our support.
- All control systems ship with a manual detailing the proper operation of the equipment.



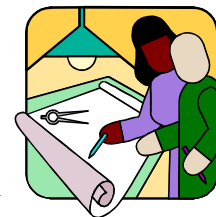
## Startup Support

- Whether or not we were involved in the design process, we can help you start up your equipment, with experienced field engineers and electrical technicians. We are intimately familiar with issues surrounding the startup process, and can help you avoid crucial mistakes.



## Project Management

- Given the specifications, we will get your automation project finished on time with a reasonable budget. We can coordinate your project on any level required, from a single piece of equipment to total line project management.
- With an extensive network of subcontractors available, we can handle projects large and small.



## Data Acquisition

- From setting up data to be acquired from each device to running an entire plant into a single database.

