

## DESIGN ENGINEERING

- Controls Engineering
- Test Engineering
- Software Engineering

At Rube Automation, we offer design, programming and production services for automation system managers, building on more than fifteen years' experience working with test and control systems.



**RUBE**  
AUTOMATION  
FACTORY AUTOMATION SOLUTIONS

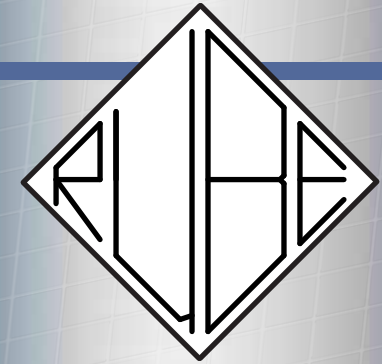
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[www.rubeautomation.com](http://www.rubeautomation.com)



**RUBE**  
AUTOMATION  
FACTORY AUTOMATION SOLUTIONS

Designing, building, programming and troubleshooting industrial control systems since 1994.

# DESIGNING, BUILDING, PROGRAMMING AND TROUBLESHOOTING INDUSTRIAL CONTROL SYSTEMS SINCE 1994.



## OUR EXPERIENCE

We have been in the automation systems business for more than fifteen years. Our customers have come from the automotive, aerospace, chemical, railroad, and paper printing industries, in facilities from Michigan to Oklahoma and from Canada to India.

## OUR PRIORITIES

- Excellence and integrity
- Communication
- Quick turnaround

Call us at (517) 694-0294 to request a free quote for your application. For photos of our projects, please see our website:

[www.rubeautomation.com](http://www.rubeautomation.com)

## OUR SERVICES

### DESIGN

- Complete assembly lines
- Conveyor control systems
- Test systems (*thermocouple, flow, pressure, vacuum, noise, vibration*)
- Process control
- Safety systems

### FABRICATION

- Electrical panels for control systems
- Single station machines

### PROGRAMMING

- PLC programming (Allen-Bradley, Siemens, Omron, other vendors)
- HMI programming
- Data acquisition and logging
- PC-based test, control and measurement systems

### Machine Modifications and Upgrades

We can expand, reprogram, reconfigure, or repair your existing automation and test systems. We offer support for a wide range of legacy systems.

## OUR CAPABILITIES

### HARDWARE INTEGRATION

- PLC communications and handshaking
- Industrial networks
- Embedded systems
- Machine vision

### SOFTWARE

- AutoCAD 3D
- PLC/HMI programming, configuration and diagnostics
- Visual Studio, C, C++, MySQL, Beckhoff TwinCAT
- In-house solutions for end-to-end data tracking for individual parts on a complete assembly line

### ONSITE ASSEMBLY

- 2,400 sq. ft facility

### Mechanical system design

For design and validation of mechanical systems, we can work with your engineering department, or we can convey your project requirements to our trusted suppliers. We can arrange for P.E. approvals.

