

ABL Automation Inc.

Industrial Control Specialist



2120 S Calhoun Rd. New
Berlin, WI 53151, USA
Phone: 262-782-3800

Email: abl@ablautomation.com



Company Overview



- ABL Automation INC was established to provide the highest quality engineering services required in the industry.
- We offer engineering services to companies who need expertise or resources in designing, integration, commissioning, or modification of automated equipment.
- We can customize automated systems to fit your specific application.
- Our system increases quality, lowers cost, and reduces delivery time.
- Our services include industrial automation, control panel design and manufacturing, custom embedded controller design and manufacturing, custom electronic circuit board design and manufacturing. We design with ergonomic and safety in mind and following the required standards



About Us!

- ABL Automation is an Automation, Integration and Commissioning company that can accomplish a solution from your most simple to your most complex needs.
- We have developed over 100 industrial control products utilizing Atmel AVR microcontrollers. Designs include the full range of AVR models, from AT90S1200 and ATTiny through ATMegas.
- Active projects are using current-generation models including Tiny2313, Mega48/88/168, Mega162, Mega169, Mega16, Mega32, Mega64, Mega640 and Mega1280.
- Applications include counters, timers, encoders, pressure regulators, HVAC, stepping motors, door controls, monitors, and other controllers in a variety of industries such as food processing, chemical, industrial, and commercial. Most products have communications capability with interfaces such as WiFi, RS232, RS485, Modbus, DeviceNet, IrDA, andUSB.



Areas of Expertise

- New Processes Design and Development
 - System Integration
 - Equipment Prototyping
 - Safety and Ergonomic Electromechanical Designs
 - Automation with Lean Process Design
 - Control Panel Design and Manufacturing
 - Custom Embedded Controller Design and Manufacturing
 - Custom Electronic Circuit Board Design and Manufacturing
 - Software Hardware Integration
 - Project Management
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Industrial Automation

- Our core expertise is in the designing of various industrial control products using Different Atmel AVR of Real-time data that is available throughout the organization enable flexible manufacturing and production and allows key decision makers to make more precise decisions.
- This core expertise is not limited to our understanding of the instrumentation that is Necessary in sensing, measuring, weighing or manipulating your specific part or process.



Custom Embedded Controller Design and Manufacturing

- ABL Automation, an embedded system designer and manufacturer, has been providing Solutions to customers around the world. A major trend in embedded industrial application is toward integration of operator interfaces, real-time control, data acquisition, modular I/O and network communications – all in compact, easily programmed packages.
- We offer custom, off-the-shelf board level computers that combine ready-to-use modular I/O with preprogrammed device drivers and an easily programmed, object oriented graphical user interface. Well parsed modular solutions combine the hardware and software needed to give our customers a running start on application development and fast time- to – market.



Custom Electronic Circuit Board Design and Manufacturing

- ABL Automation, a PCB manufacturer that specializes in PCB prototype and low volume PCB production. Our fabrication services offer high level of customization to suit all price and requirement.
- To provide customers with more professional and advanced circuit board, we're committed to adhering to the strictest standards during our PCB manufacturing process, we are fully compliant with the ISO 9001:2008 quality management system.
- We are capable to provide an instant quotation for your custom PCB needs. We are proud of our successful track record to date and that our customers are satisfied with our fine product quality, on-time delivery, fair pricing and superior service.



Project Capabilities

- ABL Automation can be there to handle all stages of your project some of them are:
- Project definition
- Electrical Control System design
- Software requirement specification
- Software development
- Hardware requirement specification and acquisition
- Mechanical Assembly
- Electrical Control system assembly
- System Integration

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Control Panel Design and Development

- ABL combines control panel assembly and engineering support to customize products and services to meet each client's needs. Our highly skilled electrical engineers design your control panel as well as provide mechanical, pneumatic, P&ID and conduit schedules in Cad format using AutoCad designing programs.
- We use high quality hardware in our panel design for added longevity and lower maintenance

**Thank
You!!!**