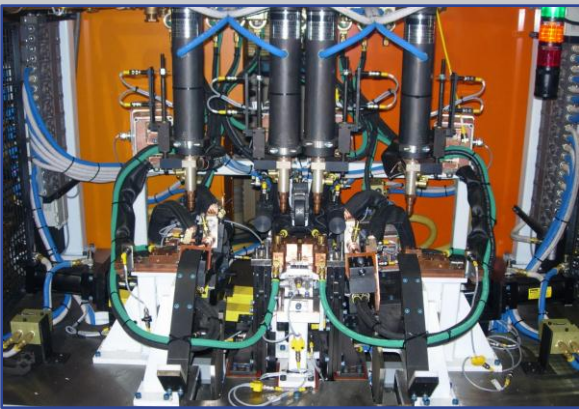


## COMPANY PROFILE



APEX Controls provides complete controls engineering and system integration services including design, documentation, programming, panel assembly, machine wiring, installation supervision, start-up, training and service. APEX Controls Engineers are knowledgeable, experienced and ready to assist your production team from project conception through testing, troubleshooting and launch.

APEX Controls applies the latest proven technologies and is committed to this focus in the areas of resistance and arc welding, robotics, servo systems, machine vision, material handling, component assembly, forming, gauging and measurement, and process control and many other processes.

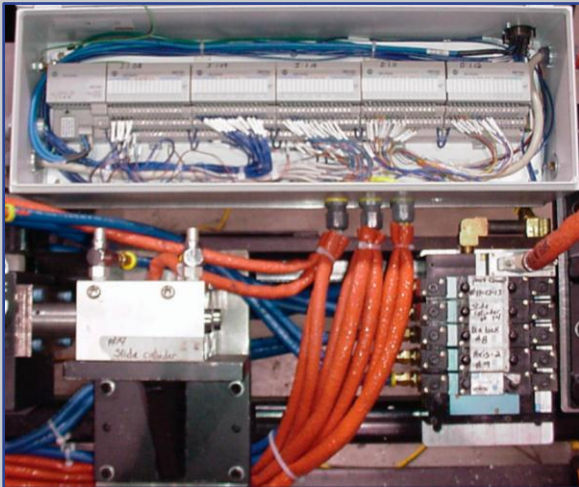
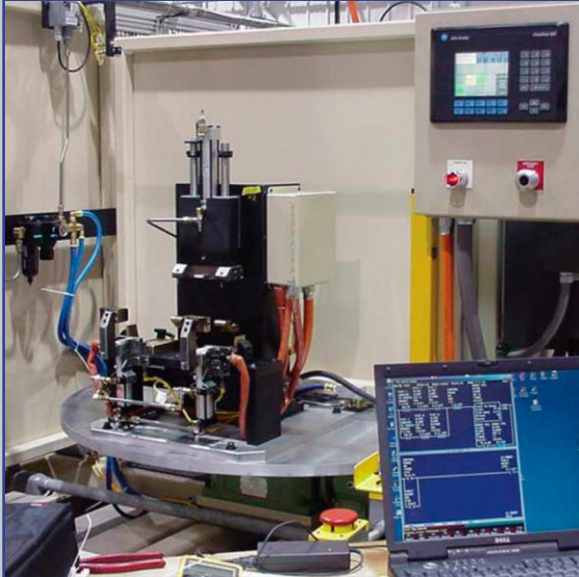
Since 1991, APEX Controls has successfully built a reputation for excellence throughout a variety of industries, including automotive, furniture, appliance, food processing, and wastewater treatment. Our team approach to system integration provides an endless range of possibilities to meet our customer's requirements.

We have confidence that our core belief, "we must conduct ourselves with integrity, honesty and have the needs of our customers as paramount", has earned us the respect and repeat business of our customers. We also pride ourselves on caring for our employees. This has given us a very strong and stable staff with very low employment turnover. With over 25 engineers, technicians and support personnel. APEX Controls is ready to meet your controls engineering needs.

APEX Controls is a supplier of resistance welding components for OEMs, Tool Builders and End Users. By partnering with some of the industry's leading manufacturers, we can supply cost effective solutions for all of your resistance welding requirements.

APEX Controls is up to date with the latest product advancements and technologies and will match those technologies to the customer's specific application. We look forward to working with you, meeting your needs and exceeding your expectations.

## CONTROLS ENGINEERING



APEX Controls engineers are knowledgeable, experienced and ready to assist your production team from project conception through testing, troubleshooting and launch. We provide complete controls engineering and system integration services including:

### **AUTOCAD DOCUMENTATION**

APEX Controls is capable of providing a complete set of documentation on any project. We can create final design schematics which typically includes power distribution, I/O, peripheral interfaces, operator consoles, panel layouts, fluid power diagrams and bill of materials.

### **COMPUTER APPLICATIONS**

APEX Controls uses many computer applications to develop high-level programs for projects. We are experienced in writing programs for a wide variety of customers using various computer applications and environments.

### **HMI**

APEX Controls is experienced in working with a wide variety of operator interfaces. We integrate machine graphics and other diagnostic tools into interface screens to help expedite troubleshooting and keep downtime to a minimum.

### **MACHINE VISION & SENSORS**

APEX Controls is experienced using vision systems built by many manufacturers and is a certified vision integrator. Our people are skilled at working with and selecting a variety of other sensors to meet all of our customer's tough sensing and gauging applications.

### **MOTION CONTROL**

APEX Controls has experience designing systems using everything from small, simple, single axis motions to large, integrated, complex and flexible motion systems.

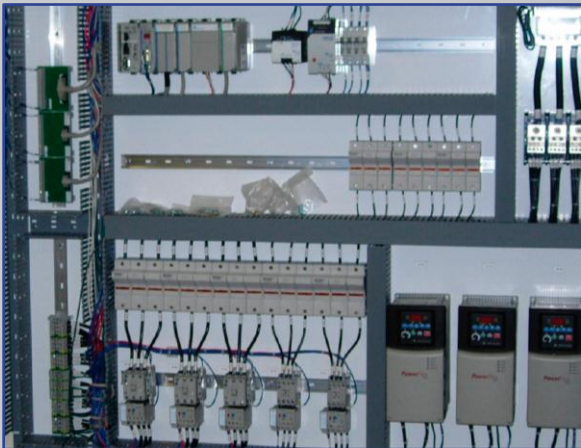
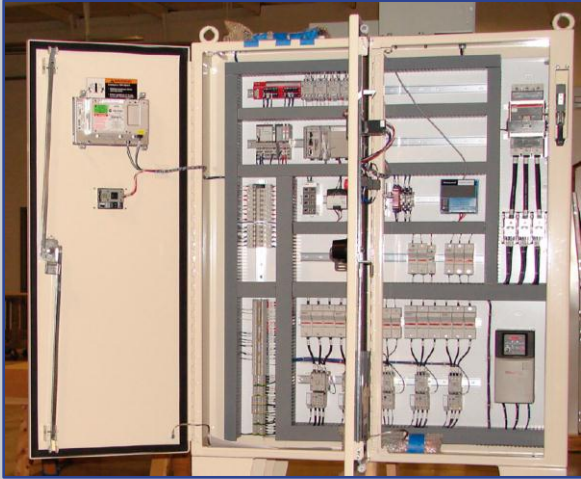
### **PLC PROGRAMMING**

APEX Controls' standard approach to programming will provide a structured format for ease of readability and troubleshooting. We can work with customer specified programming styles or suggest a proven standard approach.

### **ROBOTICS**

APEX Controls has experience integrating robotic systems in the areas of resistance and arc welding, material handling, assembly, part inspection and material dispensing including line-tracking applications.

## CONTROL PANELS & MACHINE WIRING



APEX Controls has a manufacturing space of more than 6,000 square feet, much of which is dedicated to electrical panel assembly. We provide assembled electrical panels built to designs provided by our engineering staff or yours. We can also travel to your location to build and modify electrical panels.



APEX Controls can provide onsite installation of control panels and machine wiring. Our experienced electricians are knowledgeable of existing codes and will work within your schedule to perform an installation that will minimize the impact to your existing production. Even when the design was not provided from the APEX Controls engineering staff, we're always available to help with issues that may arise during the equipment installation.



## WELDING EQUIPMENT



APEX Controls is a supplier of resistance welding components for OEMs, Tool Builders and End Users. What sets us apart is extensive knowledge and experience with the welding process to properly determine the correct equipment for each unique welding application.

By partnering with some of the industry's leading manufacturers, APEX Controls can supply cost effective solutions for all of your resistance welding requirements.

Whether it's robotic spot welding, off-line fixture tools, manual operations, automated nut welding or complete weld cells; APEX Controls can assist you with product selection, specification and application.

### WELDING CONTROLS

As one of the largest distributors in North America, APEX Controls is a Master Distributor of AC, DC, single phase, three phase, and mid frequency welding controls.

### TRANSFORMERS

All types of transformers are supported; Mid-Frequency DC, AC, fixture, portable gun, integrated transgun and machine types. We also carry a full line of products associated with transformers; such as ground reactors, disconnect plugs, and parallel / series bars.

### WELD GUNS

From single point welders, fixture or press type welders to robotic weld cells APEX Controls can work with your tool designers to assure the most cost effective solutions. From pneumatic cylinders, air / oil systems or integrated servo welding; we can meet your resistance weld gun requirements.

### NUT & STUD FEEDERS

When your project calls for high volume, reliable feeding solutions APEX Controls has the knowledge and experience to help you automate your nut and stud welding applications.

### METERS & GAUGES

We provide a full line of test equipment and measurement devices, including weld scopes for current reading, weld monitors for data acquisition, force gauges, conductivity meters, and impedance meters.

