



**PRECISION**  
AUTOMATION SYSTEMS  
MOTORS • CONTROLS • AUTOMATION

# CONTROL PANELS

DESIGN | BUILD | TEST | INTEGRATE



AUTOMATING SYSTEMS SINCE 1986



## VFD CONTROL PANELS

Precision Automation specializes in the configuration, design, and manufacturing of Pump and Motor Automation Control Panels and Systems for virtually any industry that requires process control of electric AC motors.

Each panel is designed and manufactured at our UL508A designated production facility in Boise, Idaho by a team of dedicated professionals with quality and customer satisfaction as our #1 goal.

The ability to customize each control panel to meet your specific job requirements in a timely and cost-effective manner is how we measure our success.

If you require a simple VFD Control Panel for a single pump, or a Custom Engineered Automation Control Center for multiple motors with multiple sensors using Programmable Logic Controllers for timing and safety functions – we can build it.

## STANDARD FEATURES

- UL508A Listed and Labeled
- Powdercoated Steel Electrical Enclosure
- UL98 Service Rated Main Circuit Breaker
- Enclosure Cooling & Heating Packages
- Variable Frequency Drive
- Front-Door Mounted VFD Keypad-HMI
- Hand/Off/Auto Selector & Speed Dial
- Color-Coded Sensor-Wiring Terminal Strip
- Free-Standing Legs, Feet, or Bracket



## HIGH PERFORMANCE OPTIONS

- VFD By-Passing Contactor(s)
- IEEE-519 Harmonic Filtering
- Line and Load Reactors; dVdT Filtering
- Line-Side Voltage and Phase Monitoring
- Advanced Surge/Lightning Protection
- Ethernet Communications Capable
- SCADA Integration; Wireless Controls
- Customized Input/Output Splice Blocks
- Air-Conditioning Cooling Packages
- Customized PLC and HMI Options

## SEAMLESS NETWORK INTEGRATION

PAS software engineers work closely with your team to ensure that our system communicates seamlessly with your existing network – before your system leaves our facility.



## MOTOR CONTROL PANELS

Precision Automation also manufactures UL508A Multi-Motor Control Centers, Reduced-Voltage Soft-Starters, and Single, Duplex and Triplex Motor Starters for applications that do not require a VFD.

## HARMONIC SOLUTIONS

If power quality is a concern, we offer software analysis and thoughtful solutions to comply with the IEEE-519 Power Quality Standard.

## LOGIC CONTROLLERS (PLC'S)

On systems that require monitoring, display, and control of multiple process sensors, Precision Automation offers several levels of PLC Control.

Whether it is pressure, level, flow, temperature or any other process that requires a system sensor, our PLC Controllers will keep you functioning within the designed parameters.

# REMOTE

ACCESS • MONITOR • CONTROL • NOTIFY

## REMOTE CONTROL & MONITORING (SCADA)

With current technology, SCADA type monitoring and control is no longer cumbersome or expensive.

If you would like to monitor your system remotely, have finger-tip control from your smart phone or tablet, and receive instant alerts in the event of a system disruption, we have several options available.



## CUSTOM ENGINEERED SOLUTIONS

Designing and manufacturing automation control panels requires a unique level of collaboration. Our team is committed to working with you at any and every level to ensure that you and your client's specifications are met. Customizing solutions is what we do best. Large or small – PAS is made up of a small group of highly experienced, extremely talented people, who believe that quality is imperative. Each member of our team takes a personal interest in every system that is built and can assist with application and design wherever necessary. Our number one priority has always been – and always will be – customer satisfaction.

## PERSONALIZED AND INDIVIDUAL ATTENTION

PAS is a family owned company with a team of industry professionals that are committed to excellence and the success of your project. In addition, the owners of PAS will be personally involved in your project to ensure that you get the highest quality product and have a superior customer service experience. We are deeply committed to the relationships we have with our customers, and still believe in providing good-old-fashioned customer service.



## CUSTOM SOLUTIONS FOR ANY APPLICATION

GOLF COURSES  
PARKS OR SPORTS FIELDS  
MUNICIPAL WATER SYSTEMS  
BOOSTER SYSTEMS  
INDUSTRIAL PUMPING SYSTEMS

AGRICULTURAL IRRIGATION  
WATER FEATURES  
DEEP WELL TURBINES  
WATER HARVESTING SYSTEMS  
LANDSCAPE IRRIGATION

MINING, GAS & OIL  
MANUFACTURING  
FOOD PRODUCTION  
COMMERCIAL OR  
RESIDENTIAL DEVELOPMENT

PROVIDING ENERGY EFFICIENT AUTOMATION SOLUTIONS SINCE 1986

COMPLETE PACKAGED PUMPING SYSTEMS, CONTROL PANELS AND REMOTE  
MONITORING SYSTEMS — DESIGNED AND BUILT TO YOUR EXACT SPECIFICATIONS

