



PROCESS CONTROL SOLUTIONS

 **ACI CONTROLS**
Performance that sets the standard

WHO IS ACI CONTROLS?

PROVIDING INNOVATIVE SOLUTIONS FOR PROCESS CONTROL APPLICATIONS

Founded in 1945, ACI Controls is a leader in the automated process control market, developing and implementing value add solutions for a wide variety of process control applications including the following variables: pressure, temperature, level, flow, analytical, combustion and filtration. Our scalable solutions enable customer facilities to operate more safely, efficiently and profitably. The Automation team boasts 50+ years of experience in the design, engineering and fabrication of customized industrial control panels that integrate seamlessly into our customer's existing process control platform. Among our core competencies:

- Engineering & Application Support
- Service
- Manufacturing and Assembly
- Industry Leading Products & Solutions



ENGINEERING & APPLICATION SUPPORT

PRODUCT SELECTION & APPLICATION ENGINEERING

Behind each of our products is an application engineer with formal factory training and years of experience. When you order from us, you are not just getting a product, you are getting an engineering consultant dedicated to your satisfaction.

DRAWINGS

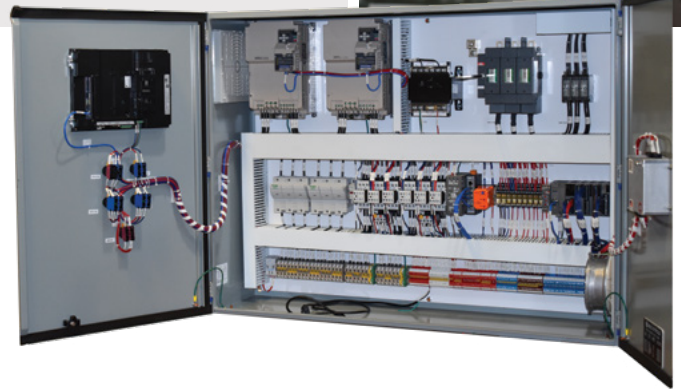
Mechanical and electrical drawings to customer standards meeting any revision of AUTOCAD.

TRAINING

We work with our application engineering staff and with our supplier partners so you are well-trained on these applications, products and systems. We conduct training in our facility, on customer premises or online.

LAB WORK

- Gauge and seal assembly
- Controller/PLC programming
- Liquid fills
- Kitting
- Custom hose assemblies
- SS tags
- Pressure/Temperature transmitter set up and calibration
- Tube bending
- Oxygen Cleaning



MANUFACTURING & ASSEMBLY

PANEL BUILDS

Design, build and program automation control panels for any application (UL508A Certified).

ASSEMBLIES & CONVERSIONS

Our production staff can integrate (and calibrate) components from manifolds and transmitters to fittings, hoses and filters.

CUSTOM FABRICATIONS

We offer turnkey solutions including drawings, component selection, sourcing, assembly, inspection and quality control.

VALVE AUTOMATION

We offer the complete package (control valve, actuator and instrumentation) that is assembled, tested and ready for installation.

- Standard and custom valve configurations
- Complete documentation including engineering drawings





LEADING INDUSTRY PRODUCTS & SOLUTIONS

Mechanical Products	Pages 4-5
Instrumentation	Pages 6-7
Filtration	Page 7
Combustion	Page 8
Valves	Pages 9-10
Automation	Pages 10-11

TROUBLE SHOOTING & FIELD SERVICE

PROVIDING REMOTE, ON-SITE, COMMISSIONING & CALIBRATION SERVICES

Our experienced field service technicians have worked in a wide variety of industries to improve customer efficiency, safety, productivity and profitability. ACI Service Solutions helps businesses scale-up and down, allowing for a controlled cost structure and minimal overhead. Each service technician is factory trained and fully prepared to troubleshoot, diagnose and repair equipment while in the field; they also provide the documentation and data customers require to maintain their certifications.

ACI Controls is accredited by A2LA to ISO/IEC 17025:2017. This ISO standard, used by testing and calibration laboratories, validates ACI's ability to consistently produce accurate results. Our test and calibration results have been through rigorous management and technical requirements so you can always be confident working with ACI Controls.

PROJECT MANAGEMENT

Our team oversees component selection, drawing creation, procurement, production and logistics to ensure your project is completed on time and under budget.

REMOTE SUPPORT

Web-enabled monitoring and automated paging capabilities provide remote access and alarm notification.

INSTALLATION

On-site set-up of designated control systems.

REPAIR/REPLACEMENT

Of existing process equipment with a unique understanding of its characteristics or replacement of unrepairable units.

CALIBRATION

Verification, calibration, and documentation of all process control equipment to manufacturer specifications.

WIRELESS SURVEYS

By offering preinstallation testing and surveys, we reduce risk by utilizing the most powerful wireless instrumentation, networking and SCADA to optimize your wireless data acquisition system.

CONFINED SPACE ENTRY

OSHA qualified and trained for confined space entry projects.

PROGRAMMING

PLC's, controllers, SCADA systems, HMI's and most packaged software.

- VFD Start up

COMBUSTION

- Industrial furnace and oven service
- Control system design, engineering and installation
- Energy audits
- Combustion tuning and repair
- Gas train design, assembly and testing
- Burner management control systems

HEAT TRACE SOLUTIONS

- Sizing
- Product selection
- System layout
- Isometric drawings
- Design, installation and commissioning



MECHANICAL DIVISION

PARKER HANNIFIN

Parker Hannifin appointed ACI Controls an official Instrumentation Solution Center based on criteria related to technical support, operational excellence, and customer service. Together we work to solve customer challenges and provide highly engineered flow control components and systems ranging from basic compression fittings, valves, regulators, and flow controllers, to compact stream switching systems, modular fitting and valve packages, custom assemblies, and gas management and delivery systems.



PARKER INSTRUMENTATION PRODUCTS DIVISION

Instrumentation Products Division

Compression fittings (CPI™, Alok®)
MPI™ medium pressure (6,000-15,000psi) fittings and valves
Instrumentation valves – check, relief, metering, ball, needle, plug and filters

Instrumentation Products Division – Europe

Phastite® Fittings
Pro-bloc valves
CCIMS® Manifold Valves

Autoclave Engineers

High pressure (up to 150,000 psi) tubing, fittings, valves and pumps

Phoenix Precision

Block and bleed valves
Instrument manifolds

PGI International

2, 3 and 5 valve manifolds
Block and bleed valves
Thermowells and probes

Quick Coupling Division

Brass, steel and stainless steel quick couplings for metal and plastic tubing

Texloc

Thermoplastic and fluoroplastic tubing and fittings PTFE, FEP and PFA tubing



Parflex

Hydraulic, pneumatic hose and tubing
Fittings: SAE, JIC, 37/45 degree flare

Porter

Digital and analog mass flow controllers for gas service
Rotameters, Metering valves
Proportional control valves

Bestobell

Bronze and stainless steel globe, ball, relief and check valves for cryogenic service

Veriflo Division

Stainless steel valves and regulators
Stainless steel gas delivery systems
Ultra-high purity stainless steel fittings and CGA's
Flow controllers
Fluoropolymer valves and fittings
Fluoropolymer chemical delivery products (CASY's)





AMETEK

Mansfield & Green

Diaphragm seals

US Gauge

Pressure/temperature gauges



ASCO

Solenoid valves



DWYER

Low pressure gauges, switches, manometers/
rotameters and flow meters



BS&B

Rupture Disk Devices

Rupture disks including reverse buckling,
forward acting and graphite

Custom-Engineered Products

Pressure relief devices developed for OEM, aerospace,
energy and defense applications

Specialty Valves

Buckling pin pressure relief devices from
1" to 60"

Flamesaf™

Flame arresters

Detonation arresters

Pressure/vacuum vents



BEHRINGER

Pipe and tube supports

Clamps, hangers and trays

Height adjusters



MID-WEST INSTRUMENT

Differential pressure gauges



REOTEMP INSTRUMENTS

Pressure gauges, bimetal
thermometers, diaphragm seals
Thermowells, Thermocouples, RTD's



SVF FLOW CONTROLS, INC.

Manual and actuated ball valves from 1/4" - 12" (NPT and
flanged)

Economy, fire-safe, high pressure and sanitary



TAYLOR

Laboratory grade, bi-metal and industrial thermometers
Pressure calibrators



EGMO

MaxPURE

BioPharm/Sanitary (ASME BPE) fittings, tubing
and manifolds



SciMAX

Semiconductor grade tubing, fittings, laterals
and manifolds



UNITED ELECTRIC CONTROLS

Pressure, DP, temp switches

One Series pressure, DP, temp transmitters
and switches

EXCELLA

2-wire electronic pressure, DP, temperature switch

VANGUARD

WirelessHART® gas detector with 5-year battery life is
ideal for monitoring toxic and combustible gases without
the need for costly, fixed wiring.

STAINLESS STEEL TUBING

Instrument-grade tubing



INSTRUMENTATION DIVISION



AMETEK PMT DIVISION

Pressure transducers



AZBIL

Azbil North America

2 wire and 4 wire magmeters

Vortex flow meters



BADGER METER FLOW INSTRUMENTATION

Coriolis mass flow meters

Electromagnetic meters

Impeller/Turbine meters

Ultrasonic meters

Vortex meters

Variable area meters

Differential pressure meters



ENERGY FLOW SYSTEMS, INC.

Orifice plates, venturi tubes, meter tubes, flow nozzles, condensate pots



PYROMATION

RTDs, thermocouples and thermowells



THERMON

Constant wattage, power limiting, self regulating, mineral insulated heating cables

Tank and vessel heating panels

Control and monitoring equipment

Instrument tubing bundles

Termination kits and accessories



M4KNICK

Ph, ORP, Conductivity and Dissolved Oxygen Sensors

Transmitters and Systems

Sensor Management

HOLDERS and Fittings



MAGNETROL

Guided Wave Radar continuous level transmitters

Single and Dual Point ultrasonic contact level switches

Ultrasonic, non-contact, continuous level

Capacitance continuous level transmitters

Capacitance single point switches

Caged, side mounted, and top mounted buoyancy float switches

Displacer continuous level controllers

Displacer single and multi-point switches

Through-air radar transmitters

Thermal Dispersion mass flow transmitter

Thermal Dispersion flow switches

Vibrating rod level switches for solids



ORION

Magnetic level indicating chambers offered as a standalone package, or supplied with Guided Wave radar in a single or dual chamber design

Jupiter Magnetostrictive continuous level transmitter



PRECISION DIGITAL

Digital panel meters and annunciators



SIERRA INSTRUMENTS

Mass flow controllers

Thermal mass flow meters

Ultrasonic flow meters

Vortex flow meters

Flow conditioners

Flow and level switch

Flow calibrators



ICON

Flow Meters and Displays

Liquid Level and Analytical Sensors

Gauges and Transmitters

Honeywell

HONEYWELL Process Solutions

Process Controllers and Setpoint Programmers
Pressure, Temperature, MultiVariable and Flow Transmitters
Industrial Wireless Transmitters and Networks
Paperless Recorders and Data Acquisition Solutions
Hybrid Controllers, PLCs and RTUs
SCADA and Supervisory Software



FILTRATION DIVISION



PARKER BALSTON

High-purity compressed air filter assemblies
Compressed air dryers
Nitrogen generators
Full compliance with FDA and SQF requirements



PARKER FINITE

Compressed air and gas filters
Point of use filters
Coalescing/Particulate filters
CNG and natural gas filtration



PARKER HYDRAULIC FILTRATION

Hydraulic cartridges and vessels



PARKER PROCESS FILTRATION (PECO)

Parker Hyperchill (plus) water chillers
High-efficiency, wound and pleated cartridges



PARKER AIRTEK

Desiccant air dryers
Inline high-temp filters
Water separators



PARKER DOMNICK HUNTER

Compressed air filters/dryers
Industrial gas generators
Oil/Water separators

COMBUSTION DIVISION

Honeywell
Honeywell Thermal Solutions

HONEYWELL

Thermal Solutions

Commercial Combustion
Industrial burner and boiler control systems
Valves and actuators
Flame safeguard, fuel train components

Honeywell
ECLIPSE

Honeywell Eclipse

Burners, recuperators, heat exchangers
Fully engineered combustion systems

HAUCK

Hauck

Burners and integrated combustion solutions for the asphalt and fracking industries

**krom
schroder**

Krom Schroder

Gas combustion and burner management control systems
Filters, regulators
Safety shut-off and control valves

Honeywell
MAXON

Maxon

Gas/Oil burners and valves
Hazardous area shut off valves
Low and ultra low NOx burners

elster

Elster

Gas meters, regulators and volume converters
Flow computers, data loggers and piping systems

EXO
High Performance Heat Exchangers

Exothermics

High-efficiency heat exchangers

**cincinnati
fan**

CINCINNATI FAN

Centrifugal blowers and fans
Axial fans

Spencer

SPENCER TURBINE

Engineered blower and vacuum systems
Gas boosters

MAXITROL

MAXITROL

Gas regulators
Gas filters

Equimeter
INTEGRATED

EQUIMETER/SENSUS

Gas regulators
Gas meters
Turbine gas meters
Diaphragm valves
Ultrasonic gas meters
High-pressure relief valves
Water meters

nyb

NEW YORK BLOWER COMPANY

Combustion Air Blowers

**Pietro
Fiorentini**

PIETRO FIORENTINI

High/low capacity governor regulators
Gas regulators
Slam shut devices
High-pressure regulators
Service regulators (NYS)
Overpressure devices

ROMET

DRESSER
Roots

ROOTS ROTARY/ROMET

Gas meters



VALVE DIVISION



TRIMTECK

Metal seated, high pressure/temperature control valves
CLVI shut off up to 4500 PSI



A-T CONTROLS-TRIAC

Threaded, flanged, socket weld, & tri-clamp
2 piece and 3 piece ball valves up to 12"
Soft and metal seated to ANSI CL600
High performance and lined butterfly valves to 24" CL300
Complete electric and pneumatic actuator assemblies.
FM approved assemblies, isolation valves, cryogenic
3 piece ball valves
1-2 week deliveries on most items



BADGER METER/RESEARCH CONTROL VALVE

Linear globe control valves to 60,000 PSI
¼" to 2" sizes, flange, threaded and tri-clamp
Cryogenic and sanitary options
Pneumatic and electric actuators
Digital valve positioners



CHAMPION VALVE

Swing, double door and nozzle valves
Silent check valves
ANSI B16.34 and API 607 certified



GEMU GROUP

Specialty valves, measurement and control systems for the following markets:
Pharmaceutical and biotechnology
Semiconductor, microelectronics and battery production
General industrial including power generation, chemical process and water treatment



INLINE INDUSTRIES

SS floating ball valves in 1, 2 and 3 piece design
Tank bottom and sanitary valves
High-purity ball valves for biopharma applications



CNC FORCE

Metal seated, high pressure/temperature ball valves
CLVI shut off up to 4500 PSI



CHEMLINE PLASTICS

Valves, Piping, Controls and Flow Meters
Environmental, Industrial, High Purity, Water



VAC

Valve Accessories and Controls
Positioners
Mounting Kits



ADVANCED INDUSTRIAL TECHNOLOGIES (AIT)

Pneumatic valve actuators
90/180 degrees
Rack and pinion both double acting and spring return
Heavy duty, scotch yoke valve actuators



SCV

Trunnion mounted ball valves to 48" CL2500
Lubricated plug valves
Full port swing checks
Piston check valves to 24", CL2500
Bolted bonnet globe valves
Floating ball valve to 12", CL1500



TAYLOR VALVE TECHNOLOGY

Conventional spring operated relief valves
Pilot operated relief valves
Manual and automated choke valves
UV and NB Code stamped



UNION TECH MANUFACTURING

Metal seated, high pressure/temperature ball valves
CLVI shut off up to 4500 PSI



LADISH/SMITH VALVE

Metal seated, high pressure/temperature ball valves
CLVI shut off up to 4500 PSI
SST OSY gate, globe, check and ball valves to 1500 psi
SST cryogenic ball valves



RUB, INC.

Cast Brass Ball Valves to 2" NPT/SW
Cast SST Ball Valve to 4" NPT
Complete line of electric and pneumatic actuators
3 way and 4 way brass valves
Needle valves



QRC VALVES

Newco cast and forged gate, globe and check valves
Douglas Chero forged steel gate
TBV-critical service ball valves



VERSA VALVES

Valves
Air Prep
Modular Air Packages
Accessories

AUTOMATION DIVISION



ACI CONTROLS

Design, engineering and fabrication of custom industrial control panels
UL698a Industrial Control Panels relating to hazardous duty locations (NRBX)
Control Panel Assemblies for use in hazardous locations (NNNY)



LEESON ELECTRIC

AC and DC motors



YASKAWA

Variable frequency drives



SIMPSON ELECTRIC

Digital and analog panel meters



TE CONNECTIVITY

Entrelec terminal blocks



ABB AUTOMATION AND CONTROLS

NEMA, UL and CSA approved industrial products
Motor control and protection devices
Mini breakers, molded case breakers and fuse holders
Contactors, motor starters, soft starters
Electronic and mechanical relays
Power supplies, sensors, timers, control relays, circuit breakers



IDEC

PLCs
HMIs, Relays, Sockets, Timers, Power Supplies, Machine Safety



INVERTEK

Variable Frequency Drives



EATON CORPORATION

Wiring, push buttons, relays, lighting, mini breakers and molded case breakers
PLCs
Electrical distribution systems
Motor starters



PFANNENBERG

Filter fans, cooling units, industrial air conditioners
Chillers, heat exchangers
Stack lights, horns/sirens



MERSEN ELECTRICAL POWER

Fuses, fuse holders, surge protection, low-voltage switches
Power distribution blocks



LITTELFUSE

Fuses, Fuse blocks, holders and accessories



HAMMOND POWER SOLUTIONS

General purpose dry type transformer
Auto and drive isolation transformers
Drive isolation transformers



STERLING ELECTRIC

Stainless steel motors ranging from ¼ to 20 horsepower
Stainless steel reducers ranging from sub-fractional inputs to 5 horsepower
Single and double reductions 5:1 through 3600:1 ratio



HAMMOND ENCLOSURES

Industrial enclosures and accessories



LENZE

VFD's, inverters, motors, gearboxes



PARKER DRIVES AND AUTOMATION

DC and AC variable speed drives
 Stand alone and systems drives
 Micro drives
 V/Hz, open loop and closed loop vector drives



WEG MOTORS

IEC, NEMA and general purpose AC motors
 DC motors
 Gearboxes, Gearmotors and Softstarters



RITTAL

Industrial enclosures
 Industrial climate control



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www.aci-controls.com

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- View recent orders and quotes, purchase history (includes online, offline, and EDI orders)
- Quick order and quote using quick pad and spreadsheet upload
- Track shipments
- View back orders
- Download invoices and statements

SAME DAY SHIPPING

All of our stocked products are shipped same day if ordered before 3 p.m.

SUPERIOR TECHNICAL SUPPORT & CUSTOMER CARE

Our application engineers are always ready to help select your product. Just call, email, or click our online chat - no waiting for answers.

VALUE-ADDED SERVICES

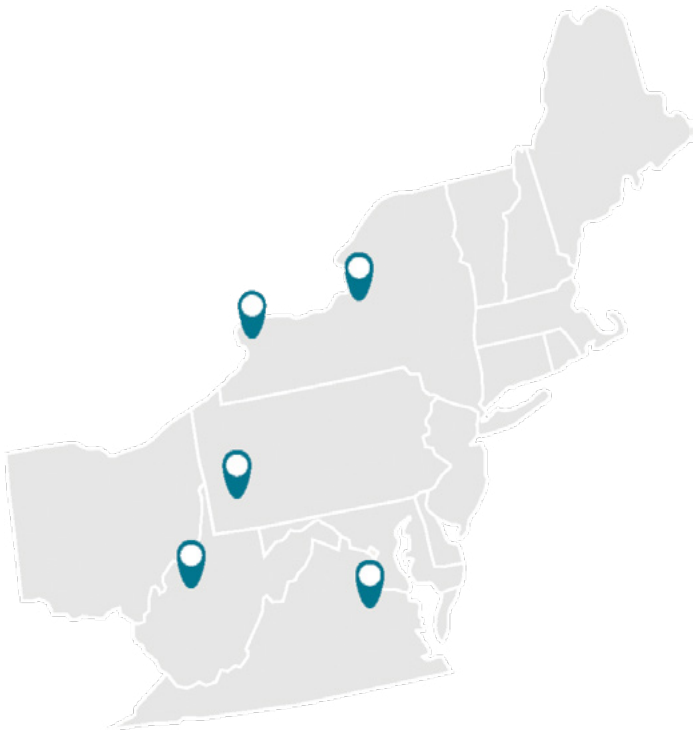
Whether you need a custom panel, an assembly, calibration, or managed inventory, consider us a partner when it comes to instrumentation/process control technology.

ORDER YOUR WAY

Order ONLINE - www.aci-controls.com.
Fast Shipping or Warehouse Pick-Up (Buffalo Area)

CALL: (800)-333-7519

E-MAIL: info@aci-controls.com



OUR LOCATIONS

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Performance that sets the standard