

**Instrumentation and Controls** represents manufacturers of instrumentation, process controls, safety systems and engineered systems. It is our mission to represent our product lines with knowledge and skill so that we may supply our customers with the best possible product for their applications.

## OUTSIDE SALES

**Mark Butorac - Territory Manager**  
602-717-9851 | mark@instandcontrols.com

**Shane Quisenberry - Territory Manager**  
505-220-3830 | shane@instandcontrols.com

**Steven Taverna - Territory Manager**  
602-228-1894 | steven@instandcontrols.com

**Zachary Stone - Territory Manager**  
602-489-0666 | zachary@instandcontrols.com

**Scott Taylor - Service Manager**  
602-571-5730 | scott@instandcontrols.com

**Woody Green - Service Technician**  
602-292-2316 | woody@instandcontrols.com

## HEADQUARTERS

**Ritch Shank - Owner & Managing Partner**  
602-292-5294 | ritch@instandcontrols.com

**Deb Coye - Inside Sales**  
480-921-0498 | deb@instandcontrols.com

**Brian Tracey - Inside Sales**  
480-921-0498 | btracey@instandcontrols.com

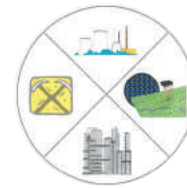
**Joe Dillon - Inside Sales**  
480-921-0498 | joe@instandcontrols.com

**Danny Arnold - Inside Sales**  
480-921-0498 | danny@instandcontrols.com

**Judy Felicetti - Order Status & Accounting**  
480-921-0498 | judy@instandcontrols.com

**Lynn Sweet - Order Status & Accounting**  
480-921-0498 | lynn@instandcontrols.com

**Chera Shank - Order Status & Accounting**  
480-921-0498 | chera@instandcontrols.com



**TAVCO** |  
Sales & Service Company, Inc.

A Division of IAC



## SERVICE

- GAS DETECTION CALIBRATION & SERVICE
- THERMAL MASS FLOW METER CALIBRATION & SERVICE
- PRESSURE, TEMPERATURE AND PH TRANSMITTER CALIBRATION & SERVICE
- FLOW METER VERIFICATION
- VALVE AUTOMATION
- GENERAL TROUBLESHOOTING OF INSTRUMENTATION & PROCESS CONTROLS
- START UP AND TRAINING SERVICE FOR IAC MANUFACTURERS

### ARIZONA

6829 W. Frye Road  
Chandler, AZ 85226  
Phone: 480-921-0498  
Fax: 480-921-7391

### NEW MEXICO

2821 Cipres Lane SE  
Rio Rancho, NM 87124  
Phone: 505-220-3830  
Fax: 480-921-7391

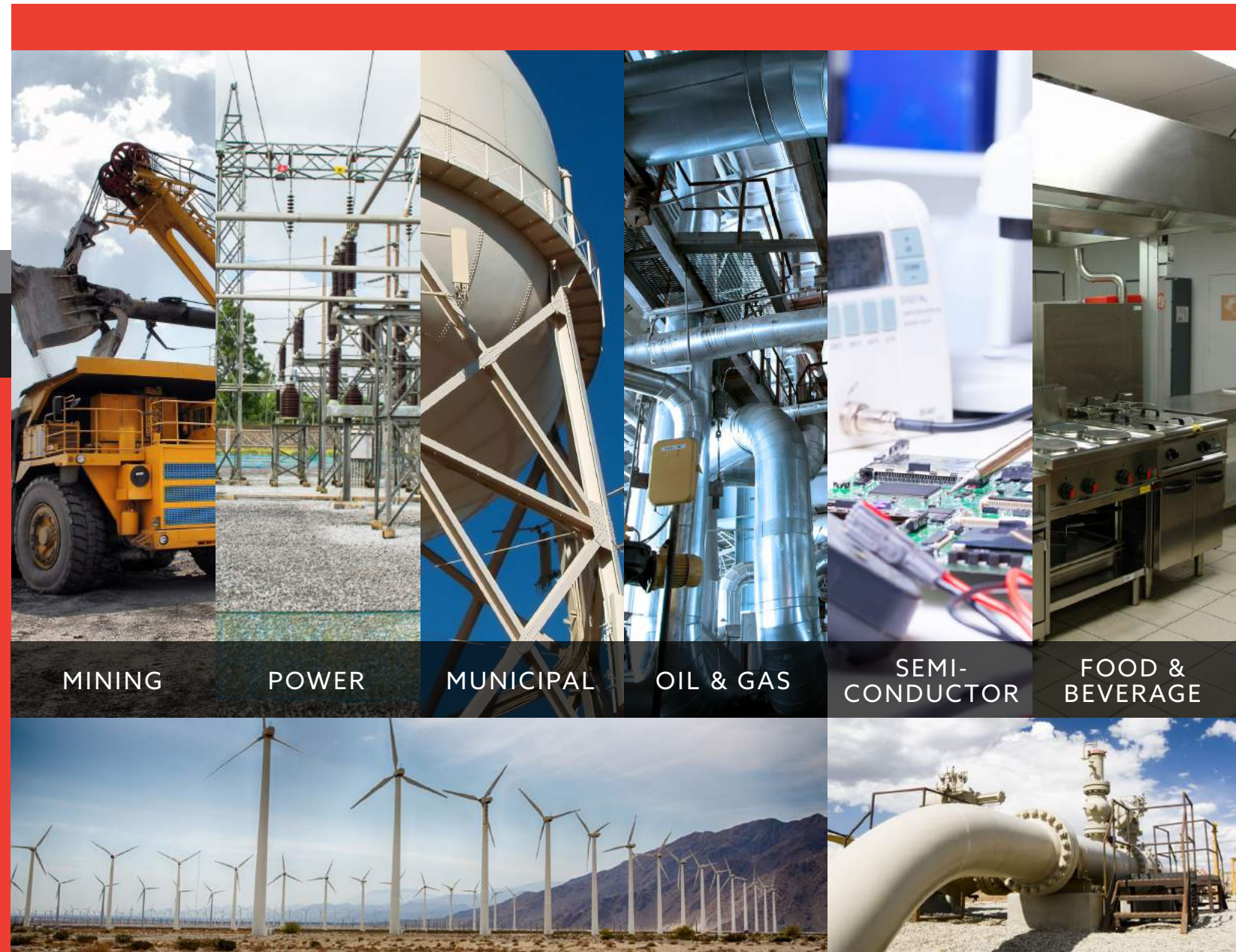
Not sure of what you need?

**We are always here to help!**

Our team loves problem solving and to find you just the right products to fit your needs.

**888-715-6203**

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



MINING

POWER

MUNICIPAL

OIL & GAS

SEMI-CONDUCTOR

FOOD & BEVERAGE



# INSTRUMENTATION, MEASUREMENT & CONTROL



People for Process Automation

**Flowmeters**  
Coriolis, Magnetic, Ultrasonic, Vortex, DP, Thermal Mass

**Level**  
Vibration, Capacitance, Conductivity, Radar, TDR, Ultrasonic, Microwave, Mechanical, Radiometric, Pressure

**Liquid Analyzers**  
pH, ORP, pION, DO, Conductivity, Chlorine, Turbidity, Silica, Phosphate, Nitrate, Ammonium, Hydrazine, Sodium

**Pressure**  
DP, Gauge, Level, Hydrostatic, Remote Seals

**Recorders**  
Videographic

**Temperature**  
Transmitters, RTD's, Thermocouples, Thermowells



**Calibration Equipment**  
Hart® Communicators, Digital Deadweight Tester, Digital Manometers, Milliamp Loop Calibrators, T/C & Rtd Calibrators, Hand Pumps

**Digital Pressure Gauges**  
**Averaging Pitot Tubes**



**GENERAL MONITORS**  
*Protection for Life*

**Gas Sensors & Transmitters**  
Combustible, Toxic & Oxygen

**Flame Detectors**  
UV, UV/IR, Multi-spectrum IR

**Fire and Gas Systems**  
NFPA 72 compliant



**Flowmeters**  
Thermal Mass Meters, Single Point Insertion, Multi-Point Insertion, In-Line, Portable



**Gas Sensors & Transmitters**  
Combustible, Toxic, Permanent & Portable

**Flame Detectors**  
UV, UV/IR, IR3

**Gas Analyzers**  
Infrared, Solid State



**Controllers**  
¼ Din, Single Loop, Dual Loop

**Loop Monitors**  
4-20mA, Hart

**Signal Conditioners**  
Isolators, Converters, Splitters

**Temperature**  
RTD's, Thermocouples, Thermowells, Transmitters

**Transducers**  
I/P, P/I, AC Power

**Device Couplers**  
Foundation Fieldbus, Profibus PA

**Power Supplies**  
Foundation Fieldbus, Profibus PA



**Sight Flow Indicators**  
Industrial, Sanitary, Threaded, Flanged

**Sight Windows**  
Threaded & Welded



**Level Switches**  
External Cage, Displacer, Tuning Fork, Capacitance

**Level Transmitters**  
Displacer, Capacitance



**Boiler Level Gauges**  
Magnetic, Prismatic, Flat Glass, Water Columns, Remote Indicators.



**Hygrometers**  
Precision Hygrometers Utilizing Ceramic and Chilled Mirror Optical Technologies



**Pressure Gauges**  
Industrial & Process



**Pressure**  
Gauges, Transducers, Transmitters, Diaphragm Seals

**Temperature**  
Gauges, Sensors, Transmitters

**Force**  
Load Cells, Transducers



**Gas Analyzers**  
Carbon Dioxide, Hydrogen Sulfide, Acetylene, Oxygen, Ammonia

**Moisture**  
Tunable diode laser absorption spectroscopy (TDLAS)



**Switches**  
Electronic and Electromechanical

Switches for Pressure, Differential Pressure & Temperature

**Transmitters**  
Pressure and Temperature

**Temperature**  
RTD's, Thermocouples, Thermowells



**Industrial Weighing Solutions**  
PLC Weighing Modules, Weighing Instruments, Load Cells & Platform Scales



**INSTRUMENTS**

**Temperature & Pressure Instrumentation**  
Bi metal Thermometers, Pressure Gauges, Remote & Direct Mount Diaphragm Seals, Pressure Switches & Transmitters, Seal Repair & Calibration, Custom Instrument Assemblies



# MECHANICAL, VALVES & ACTUATORS



**Electric Actuators**  
Multiturn, Quarterturn, Linear, Controls & Gearboxes



**Valves**  
High quality, modular linear globe, rotary plug, ball, and butterfly control valves, in standard and exotic metals, sizes ranging from micro-flow to 100 inch



**Valves**  
Needle, Ball, Plug, Check, Relief valves, & Instrument Manifolds

**Fittings & Actuators**  
Tube, Pipe, 37 Degree Flare JIC, DIN 2353, Weld, ZCO O-Ring Face Seal, Pipe, Calibration, High Pressure Cone & Thread

**High-Purity Components**  
Belows, Diaphragm, ZCR Face Seal, Weld fittings



**Valves**  
On/Off Valves, Globe Valves, GS-Valves, Ball Sector Valves, Sanitary Valves, Pinch Valves, Manual Valves, Positioner Accessories



**Valves**  
Triple & Double Offset Butterfly Valves, Check Valves, Block & Control Valves, Stop/Check Combined Function Valves, Metal to Metal, Zero Leakage Isolation. 3" to 160", -328 to 1700°F, up to 2500 psi.



**Piping**  
Abrasion/Corrosion Resistant Pipe, Tile & Trowelable Products for Bottom Ash, Flyash, Coal Pipe, Chutes, Tanks, Hoppers



**Butterfly Valves**  
ANSI Class 150 & 300#, Wafer, Lug & Double Flanged Bodies 1" - 96"



**Expansion Joints**  
Rubber expansion joints, Flexible Connectors, Rubber Flanged Hoses, & Related Accessories. Spray Shields & Penetration Seals



**Air & Materials Handling**  
Custom Fan Design & Modification, Dampers, Expansion Joints, Mechanical Dust Collectors, Material Handling Systems, Boiler Air System Upgrade, Complete Duct System Fabrication, Field Service & 24 Hour Emergency Repair



**Service**  
Replacement Parts, Repairs, Maintenance Upgrade Capabilities on all Dry & Wet Electrostatic Precipitators, Bag Houses, Stokers, etc. On Site technical inspections Construction Services and Engineering Support



**Knife Gate Valves**  
Sizes from 3"-32", 150# & 300# ANSI Class, Severe Service "H" Series Incorporate 100% Full Port, Bi-Directional Shutoff No Cavities, Split Body Design, Seats Protected by Stainless Steel Retainer



**Severe Service Valves**  
4500# ANSI Class, 1/2" - 24", Steam/Condensate Drains, Block Valve Applications, ASME "V" Stamped Electronic Relief Valve, Control & Parallel Slide Gate Valves



# PROCESS & FILTRATION



**3M Purification Inc. Filtration**  
Depth, Surface, & Charge Modified Filter Cartridges, Bag Filters, Filter Housings, Single/Multi Cartridge & Bag



**Separators**  
Vane, Multi-Cyclone, Centrifugal, Filter



**Water Treatment Equipment**  
Deaerators, cooling towers, brine treatment, oil removal, parts and retrofits.



**Water Treatment Equipment**  
Clarification, Filtration, Reverse Osmosis, Ion Exchange and Condensate Polishing Systems



**Process Drying Equipment**  
Hydrogen Dryers for Turbine Generators, CO2 Degassing Systems, Process Gas Purification Dryers, Liquid Purification Dryers, Dehumidifiers, Regenerative Adsorption Dryers & Refrigeration-Type Industrial Gas Dryers.



# COMMUNICATIONS



**Intercom/Paging**  
Single Party, Multi Party, Smart Systems

**Public Address/Alarming**  
Tone Speech Generator, Telephone Interface



**Auto Dialers**  
Multipoint, Wired, Wireless, PLC Interfaces, Email, Paging

**Web-Based Monitoring**  
Wireless Alarming & Notification



**Rupture Discs**  
Tension Type, Reverse Acting, Specialized, Holders



**Low Pressure Relief Products**  
Pressure/Vacuum Relief Valves, Flame and Detonation Arresters, Blanket Gas Regulators



# PRESSURE PROTECTION