

**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

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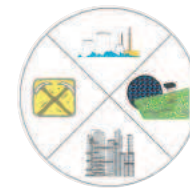
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**Chera Shank - Order Status & Accounting**  
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**TAVCO** |  
Sales & Service Company, Inc.

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

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Phone: 480-921-0498  
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### NEW MEXICO

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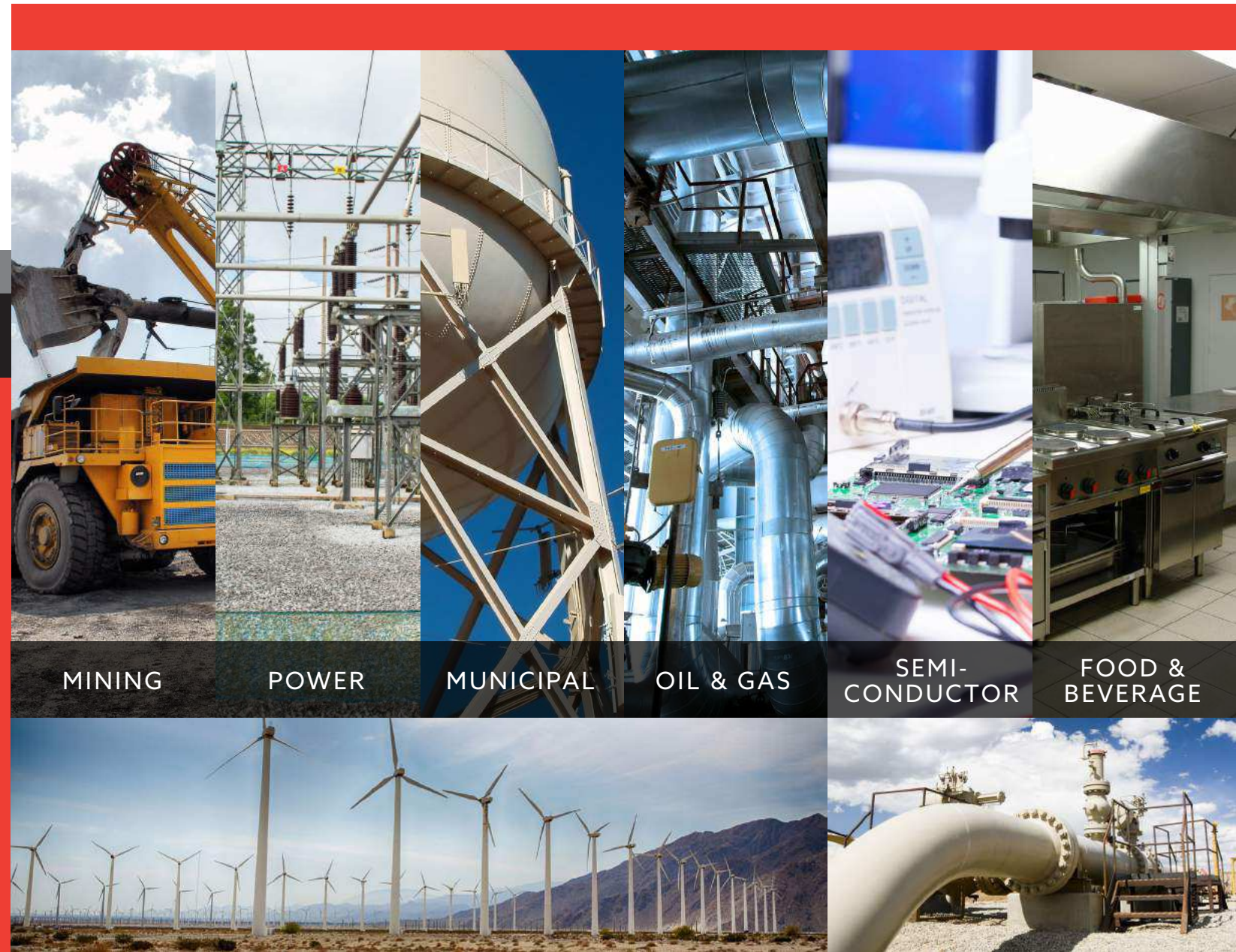
Not sure of what you need?

**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



# MECHANICAL, VALVES & ACTUATORS

## Endress+Hauser

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



### Diaphragm Seals

Industrial, Sanitary



### Transducers

Pressure, Level

### Gauges

Pressure, Temperature



### Flowmeters

[Thermal Mass Meters & Controllers.](#)

[Coriolis Meters & Controllers.](#)

[Variable Area](#)

[Vaporizers](#)



### Calibration Equipment

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

### Digital Pressure Gauges

### Averaging Pitot Tubes



### Gas Sensors & Transmitters

Combustible, Toxic & Oxygen

### Flame Detectors

UV, UV/IR, Multi-spectrum IR

### Fire and Gas Systems

NFPA 72 compliant



### 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



### 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

1/4 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



### Gas Analyzers

Aluminum Oxide, Chemiluminescence, Coulometric, Flame Ionisation

### Detectors

Infrared Paramagnetic, Thermal Conductivity, Tunable Diode Laser (TDL), and Zirconia



### 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



### Electric Actuators

Multiturn, Quarterturn, Linear, Controls & Gearboxes



### 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