



Process Technology, Inc.

**FRONT RANGE  
COLORADO  
EASTERN WYOMING  
MONTANA**

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14828 W 6TH Ave.  
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## PROCESS AUTOMATION SOLUTIONS

### ARMSTRONG INTERNATIONAL



**STEAM & CONDENSATE** - Steam Traps: Inverted Bucket, Float & Thermostatic, Disc, Radiator & Universal Mount, Trap Valve Stations, Liquid Drainers, Air Vents, Strainers, Steam Filters. Condensate Management: Pumping Traps, Custom Pump & Receiver Packages, Flash Tanks, SS Sump Ejectors. Steam-A-Ware Equipment Sizing Software

**PRESSURE & TEMPERATURE CONTROLS** - Steam & Water Pressure Reducing Valves, Temperature Regulators & Balancing Valves

**EVERACTIVE** - Battery-less Servers Continuously Stream Steam Trap Data to the Cloud, Providing 24/7 Analytics for Steam Trap Health

**HUMIDIFICATION** - Conditioned Steam Humidifiers, Gas & Electric Humidifiers with Ionic Bed Technology, Cool Fog Atomizing Systems, Clean Steam Generators, Humid-A-Ware Sizing Software

**HOT WATER GROUP** - Instantaneous Steam to Water Heat Exchangers, Washdown Hose Stations, Steam & Water Thermostatic Mixing Valves, RADA, The "BRAIN" Digital Mixing Center, Direct Gas-Fired Water Heaters, Digital-FLO Instant Water Heaters

**FLOW MANAGEMENT** - Accelabar, Verabar, Vortex Meter, Orifice Plates, Venturi Tube, ASME Flow Nozzle, Wedge Meter

### METTLER TOLEDO

**ANALYTICAL INSTRUMENTATION** - pH/ORP (Redox) Probe, Dissolved Oxygen Sensors, Turbidity/Optical Density, Conductivity, Inductive Conductivity, UniCond Conductivity/Resistivity Sensors w/ ISM, Analog Conductivity Sensors, Analytical Transmitters



Non-Contact Thermometer/Pyrometer, Fixed Thermal Imaging & Line Scanner, Combustion Efficiency Monitors, Portable Gas Analyzers, Opacity & Dust Monitors



**PRESSURE, LEVEL & TEMPERATURE**  
Measurement Products



**OPEN CHANNEL FLOW MEASUREMENT**  
Collection System Flow Monitors, Collection System Flow Data Services



**PROCESS ANALYZATION & MONITORING SOLUTIONS** For Quality and Compliance



a Baker Hughes business

**FLARE MANAGEMENT** - Ultrasonic Flow Meters for accurate flare measurement and diagnostic capabilities. flare.iQ to optimize flare operations and reduce methane emissions.

**FLOW METERS** - Gas and Liquid, In-line, (wetted), fixed, clamp-on and portable products. Ultrasonic and Vortex Multivariable. Process Fluids, Liquid Custody Transfer, Allocation in Leak Detection and Steam (Wetted only)

**PROCESS ANALYZERS** - Wide array of Moisture and Gas Analyzers, Dew Point TDLAS, Transmitters, sample systems. Gas Analysis, O<sub>2</sub>% and Hydrogen purity, % and ppm, fixed and portable.



**DIFFERENTIAL PRESSURE FLOWMETERS**  
V-Cone, VM V-Cone, Wafer Cone

**ELECTROMAGNETIC FLOWMETERS**  
FPI Mag, SPI Mag, UltraMag, DuraMag

**PROPELLER FLOW METERS**  
Flow Straightener, McPropeller



**SMARTDIVER** - Tank Profiling & Interface Detection Systems for Clarifiers, Thickeners & CCD's. **CLARITY PROBES & FLOCCULANT CONCENTRATION ANALYZERS**



**TANK LEVEL GAUGING** - Liquid Level Sensors, Dual Float for Interface & Flexible Gauges



**TEMPERATURE SENSORS** - Thermocouples, RTD's, Thermistors, Extension Wire, Thermowells, Protection Tubes & Accessories



**LEVEL** - Ultrasonic, Radar, Point Level and Continuous Level

**FLOW/PRESSURE** - Electromagnetic, Coriolis, Ultrasonic, Vortex, Variable Area, DP digital pressure transmitters, Hydrostatic Pressure  
**TEMPERATURE** - Thermocouples, RTD's & Transmitters

**GAS ANALYZERS** - Extractive & In-Situ Analyzers for: HF, HCl, H<sub>2</sub>O, NH<sub>3</sub>, O<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, H<sub>2</sub> and Ar

**INDUSTRIAL BELT SCALES** - Continuous Weighing Systems, Speed Sensors & Calibration

**MORE** - Process Recording, Remote Display, Advanced Control, Valve Positioning & Automation



**FLOW METERS** - Vane & Piston Variable Area, CoolPoint Vortex Shedding, Insite Transparent, In-Line Turbine, Insertion Paddlewheel, Compressed Air & Electromagnetic Flow Sensors



**START-UP + COMMISSIONING  
+ FIELD SERVICE + CONSULTING**

Factory certified **START-UP & COMMISSIONING** service on all Siemens process instrumentation, including **FIELD SERVICE** and **CONSULTING** on all our instrumentation & automation product lines

**DIAGNOSTICS + INTEGRITY SOLUTIONS  
EVALUATION - TRAINING - IMPLEMENTATION**

Assessment of machine monitoring components, cycle time and instrumentation to ensure that all components in your system are working properly at all times.

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## FACTORY AUTOMATION



**PHOTOELECTRIC SENSORS** - Sensors, Fiber Optic, Registration, Luminescence

**MEASUREMENT SENSING** - Arrays, Laser, Radar, Temperature, Ultrasonic, Vibration

**MACHINE SAFETY** - Controllers, Light Curtains, Scanners, Emergency Stop Devices, Relays, Switches

**INDUSTRIAL WIRELESS** - Analog, Discrete, Pressure, Temperature, Ultrasonic, Vibration, Ethernet, Serial

**MACHINE VISION** - Bar Code, Intelligent Cameras, Vision Sensors, Vision Lighting

**LIGHTING & INDICATION** - Andon, OEE, Programmable RGB Tower Lights, Indicators, Touch Buttons, Machine Illumination



BY BONNELL ALUMINUM

**MODULAR HARDWARE** - Quickly and easily create anything from clean rooms to robot enclosures. Extrusions, Brackets, Gussets, Plates, Fasteners, Hardware, Panels, Linear Motion, Stanchions, LED Lights, Preconfigured Assemblies and more.

**VERTICAL INTEGRATION** - The only extruded aluminum manufacturer that extrudes, finishes, cuts, machines, and ships their own product from start to finish.

**TBUILD** - Intuitive, easy-to-use, web-based design software. Allows seamless creation and edit of designs, print bill of materials, and obtain real-time pricing for aluminum extrusion projects.

## PULS

**DIN RAIL POWER SUPPLY** - .63 to 40 Amp (15W to 960W), 100VAC to 480VAC input, 5VDC to 72VDC output, DC UPS, DC Buffer & DC to DC Modules, Redundancy Modules, Conformal Coating on Specific Models, Highest MTBF in Industry, Smallest Form Factor



**ETHERNET** - Ethernet Switches, Managed & Unmanaged, PoE, PoE+, Routers, IP67, Custom Designs **IIOT SOLUTIONS** - Scalable Solution, WiFi, Cellular, I/O, Cloud, Datalogging, Routing, 300+ Protocol Drivers **REMOTE ACCESS** - High Security via RSA Authentication, Intelligent Firewall, Up Running in Minutes **HMI PANELS** - Rugged, 300+ Protocol Drivers, Datalogging, Web Server, SQL, I/O, C programming environment **DIGITAL PANEL METERS** - Expansive Offering of Digital & Analog Designs from 1/32 DIN to Large Displays



**AUTOMATION SERIES** - Hi-tech features like Pivot-rotatable drives and Tension Release tool-less belt changes **INDUSTRIAL SERIES** - Designed for rugged and demanding environments. A wide range of solutions for any application including indexing, plastic chain, embedded drive, and heavy load carrying capacities **HYDROCLEAN SERIES** - Sanitary design for handling all types of applications **ONLINE CONFIGURATOR** - easy to use software to develop BOM, 3D CAD & Quote Template **10 YEAR WARRANTY - 5 DAY TURNAROUND**



**COMPLETE PNEUMATIC PORTFOLIO** Pneumatic Directional Control, Actuators & Air Cylinders, Vacuum Products, Airline Equipment, Connectors **FLUID PROCESS** General Purpose Valves, Dust Collection Valves, Specialized Valves, Process Pumps, Industrial Filters, Water Equipment **CHILLERS** General Purpose, Large Capacity, High Efficiency, Rack Mount, Benchtop, Circulating Bath

## VALVES

### Red Valve

**PINCH & KNIFE GATE VALVES** - Pinch Valves Sleeves, Air-Operated Pinch Valves, Control Pinch Valves, Knife Gate Valves, Pressure Sensors and RedFlex Expansion Joints.



**CHECK VALVES** - CheckMate Inline Check Valves, TideFlex Check Valves, Aeration, Potable Water Mixing Systems, Effluent Diffuser ZSystems and System Engineering.



**REGULATORS** - Pressure, Back Pressure, Temperature, Gas and Tank Blanketing Control Valves



**BALL VALVES** - 1/4" - 12" manually operated and actuated



**CONTROL VALVES** Fractional Flow, Pneumatic & High Pressure **REGULATORS** High Pressure, Pressure Reducing & Diaphragm Sensed.



Instrument manifolds, orifice block valves, gauge valves, needle valves & block and bleed valves.



**SANITARY** - Compressed Air & Gas Pressure Reduction Valves & Back Pressure Regulators. Low Pressure Blanketing Regulators, Control Valves, Check Valves, Ball Valves, Steam Traps & SIP Accessories

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