



## COLUMBUS LINE CARD

3000 E. 14TH AVENUE COLUMBUS, OHIO 43219

T | 614.253.1996 F | 614.253.2033

### MEASUREMENT, INSTRUMENTATION & CONTROL

**ABB** **Analytical:** pH, conductivity, turbidity, ORP, DO, silica, sodium hydrazine, combustion O2/CO  
**Controllers:** Single, multi-loop, 1/16, 1/8, 1/4 Din  
**Control Systems:** Compact DCS, scalable from 100 to 10,000 I/O points  
**Damper Actuators:** Electric, pneumatic, linkages  
**Device Management Tools:** HART Hand-held communicators, multifunction calibrators, software  
**Diaphragm Seals:** Fully welded, Industrial or sanitary  
**Flowmeters:** Mass, magnetic vortex, swirl, wedge, variable area  
**Positioners:** Electropneumatic, pneumatic, digital  
**Recorders:** Circular, strip videographic  
**Transducers:** I/P, P/I, Field, DIN rail, rack mount  
**Transmitters:** Pressure, differential, level, flow, temp



**Valves & Accessories:** Isolation, gauge and severe service valves, manifolds, direct mount systems, enclosures



**Pressure:** Gauges, Diaphragm Seals, Transducers, Switches, Calibrators  
**Temperature:** Thermometers, Thermowells, Switches



**Instruments:** Pressure, Flow, Level, Temperature



**FCX Wireless Solutions:** Field Units, Repeaters, RTU's, Receivers, Interface Processors



**Flow Meters:** Ultrasonic clamp-on portable and fixed flow meter



**Fittings:** Grylock: Instrument & Tube  
**Valves:** Metering, Ball, Needle, Plug, Packless, Check, Manifolds, Actuators  
**Accessories:** Low Volume Fittings, Sample Cylinders



**Level & Flow Transmitters:** Through-Air & Guided Wave Radar, Ultrasonic, RF Capacitance, Thermal Dispersion, MTL  
**Level & Flow Switches:** Capacitance, Ultrasonic, Float, MTL, Thermal Dispersion, Displacer



**Process Controllers:** Micro-DCI, MOD, SLC



**Magnetic Level Indicators:** Guided Wave Radar Magnetostrictive Transmitters



**Digital Panel Meters:** Line or Loop Powered Displays, Annunciators



**Temperature Sensors:** Thermocouples, RTD's, Thermowells, Sensor Wire



**Flow Elements:** Orifice Plates & Flanges, Venturi's, Nozzles, Meter Tubes



**Turbine Meters:** Industrial, Cryogenic, Flow Rate/Total Indicators



**Valmet - Consistency Measurement:** KajaaniMCA, Analyzers, Transmitters, Sampling Valves

### LINED PRODUCTS



**Butterfly Valves:** Resilient Seated, Lug Wafer, Lined Actuation



**Corrosion Resistant Valves:** Ball, Butterfly, Relief, Check, Relief, Control



**Pipe & Fittings:** PTFE, PFA, Kynar, FEP, Lined Carbon & Stainless Steel



**Expansion Joints:** 2, 3, and 5 Convolutions, PTFE, Stainless Steel Armored



**SANI-TECH:** SHT Silicone Tubing and Hoses: Wire-reinforced, Braid-reinforced, Platinum Cured, FDA Sanitary with EPDM Outer Cover, Sanitary Fittings

### STEAM, PROCESS HEATING & COOLING



**Condensate Recovery:** Steam Traps and Regulators, Pressure Powered Pumps and Pump Traps, Trap Surveys, Boiler Controls and Metering Specialties  
**Regulators:** Pressure, Back Pressure, Temperature, Direct/Pilot Acting  
**Strainers:** Y, Basket, Duplex, Automatic  
**Check Valves:** Dual Disc, Silent  
**Safety Relief Valves:** Commercial/Industrial, Bronze, Cast Iron, Stainless  
**Steam Traps:** Variable Orifice, Float and Thermostatic, Inverted Bucket, Universal Mount  
**Steam Specialties:** Condensate Pumps, Desuper-heaters, Noise Treatment



**Plate and Frame Heat Exchangers: Repair and Certification:** All Brands: Cleaning, Dye Penetrant Testing, Regasketing, Frame Handling

# VALVES, ACTUATORS & ACCESSORIES



## JAMESBURY

**Ball Valves:** Screwed, Flanged, Severe Service, Special Alloys  
**Butterfly Valves:** High Performance and Severe Srvc  
**Actuators:** Pneumatic, Electric and Manual  
**Accessories:** Switches, Sensors, Valve Monitoring, Communications



**Durco Plug Valves:** Porcelain, Glass Piping, Reactors  
**Butterfly Valves:** PTFE & PFA Lined, High Perform  
**Atomac Vall & Check Valves:** PFA, FEP, Poly Lined  
**AUTOMAX Actuators:** Rack and Pinion, Scotch Yoke, Electric  
**Accessories:** Limit Switches, Positioners



**PUREFLO Sanitary Products:** Manual and Automated, Tank Bottom Valves, Single or Multiport Diaphragm  
**DIA-FLO Diaphragm Valves:** Lined, Industrial  
**FABRI Valves:** Knife Gage: High Performance, ANSI Rated, Bubble Tight, Vacuum, Fabricated Through 96"  
**CAM-TITE Valves:** Non-spherical, Beveled Edge  
**CAM-LINE Valves:** Plastic Lined, PVDF Coating



**Solenoid Valves:** Solenoid and Air Operated Valves, Microminiature Valves, Pneumatic Controls, General Controls Combustion Valves, Valve Position Indicators, Mechanical and Electronic Pressure Sensors.



**Relief Valves:** Spring and Pilot Operated, Flanged, Screwed, Full Nozzle



**Relief Valves:** Bronze, Brass, Iron, Steel, Pressure to 6500 PSIG, Sizes 1/4" to 8"



**Control Valves:** General and Severe Service Control Valves, Plug and Cage Guided, Equal Percent, Linear, and V-Port Trims. Specialty Trims For Velocity Control, Anti-Cavitation or Erosion



**Check Valves:** In-line, spring-assisted check valves for prevention of backflow, water hammer, and reverse flow for horizontal and vertical installations



**Manual and Automated Valves:** Gate, Global, Check and Butterfly Valves



**Actuators:** Electric and Motor Driven Actuators, Gear Operators



**Pow-R-Jac Actuators:** Machine and Ball Screw Jacks, Motorized and Custom Systems



## NELES

**Control Valve:** Eccentric Plug, Segment, Ball and Butterfly  
**On-Off Valves:** Ball and Butterfly  
**Emergency Shut-Down Valves:** Ball and Butterfly  
**Actuators:** Pneumatic, Double Diaphragm and Manual Gear Operators  
**Positioners:** Smart, Pneumatic and Electric Pneumatic  
**Accessories:** Controllers, Limit Switches and Position Transmitters



**Industrial Valves:** 2-Way, Flanged, Flush Tank, 3-Way Diverter Valves, Cryogenic and Instrument Valves

**Sanitary Valves:** Trap, Flush Tank, 3-Way Diverter Valves, 3,4 and 5-Way Multi-Port Valves, Sampling, Check/Manifold Assemblies



**Triple Eccentric Rotary Process Valve:** Conical Seating, Zero Leakage, Metal Seated Quarter-Turn



**Ball Valves:** Severe Service: Metal and Ceramic Seated, High Pressure and Temperature up to ANSI 4500#



**Knife Gate Valves:** High Performance, High Pressure, Vacuum Service, Bubble Tight, Actuators



**Gate, Globe, Ball, and Check Valves:** 1/2" - 30" 150# - 250# C-Ball, Gate, Globe and Check Valves from -320° to 1472° Fv.

**Services:** Cryogenic, Powder, High Velocity, Mixed Product, Fast Cycling, ESD, Abrasive and Vacuum



**Accessories:** Vessels, Armored and Unarmored Pipe, Heat Exchangers



**Valve Accessories:** Limit Switches, Position Indicators, Bus Networks



**Electric Actuators:** On/Off, Control, Fail-Safe



**Valve Accessories:** Limit Switches, Position Indicators, Bus Networks



**Actuators:** Manual Gear Operator



**Air Treatment Products:** Filtration, Refrigerated/Desiccant Air Dryers

# SERVICES



**Actuation Services:** Full Valve Assembly and Testing to FCX Quality Standards, Serialization

**Valve Actuation and Validation:** Production Verification, Testing, Certifications, Automated Valve Package Documentation and Serializaiton

**North Coast Instruments:** Electric actuator refurbish and retro-fit for **All Brands**, Control enhancement, Computerized actuator maintenance history, Inspection/Repair report, Transition hardware & custom controls, Reconciliation Services, Customized Electric Control, Cabinets- Valve Actuators Interface



**Engineered Systems:** Floating pump stations, chemical metering/injection, blending, pressure booster, portable pump, fluid transfer and fluid oil systems



**ASME & National Board Repair Certifications:** Air, Steam, Gas and Liquid Valves

**Safety Valves:** In-house and In-line Settings, Repair, Service

**Process Valves:** Repair and Maintenance Services

**Valve Surveys, Project Management:** Preventative Maintenance, Pressure Management



## Instrumentation Services:

Instrumentation, Calibration, Systems Integration, Project and On-Site Staffing, Control Panel Design/Build, IS 9001, ISO 17025

