

PQ Systems Ltd

- MOTION CONTROL -

MOTION CONTROL COMPONENTS, SYSTEMS & SERVICES

HYDRAULIC • ELECTRONIC • ELECTRO-MECHANICAL • PNEUMATIC



- SALES AND SOLUTIONS
- SERVICE AND REPAIR
- TECHNICAL SUPPORT
- DESIGN AND SUPPLY

DELTA

COMPUTER SYSTEMS

Motion Control... And More.

Delta designs and manufactures single & multi-axis motion controllers for industrial hydraulic, pneumatic and electric closed loop position, velocity and pressure/ force applications. With an unsurpassed combination of engineering and application know how, you get a product that delivers high performance, adaptability and ease of use. With 24/7 Tech support, Free Software and a wide range of training options, you will feel right at home and ready to tackle your application.

RMC 75 Series: A flexible 1 or 2 Axis Motion Controller capable of accepting up to four expansion modules for added digital I/O, analog reference and pressure or force inputs.

RMC100 / 150 Series: A modular high performance controller capable of accepting a combination of MDT (Start/Stop or PWM), SSI, Analog, Quadrature or Resolver feedback for position or pressure control. Control up to 8 Axis of tight coordinated motion.

RMC200 controls up to 32 axes, and our familiar RMCTools software makes it easy to synchronize every one of them.



MOOG

Moog is a leader in designing and manufacturing high performance Servo and Proportional Valves for industrial applications. With various technologies such as Flapper Nozzle, ServoJet & Direct Drive (DDV) containing either mechanical or electrical feedback mechanism Moog offers numerous models with a range of sizes, performance characteristics and mounting options. In addition, Moog also offer Atchely Valves, RKP Piston pumps & Turbine Actuators.



Temposonics®

Absolute, Non-Contact Linear-Position and Liquid-Level Sensors

Temposonics magnetostrictive technology, provides non-contact, fast, accurate and repeatable linear position measurement. Available in a variety of form factors for in cylinder or externally mounted Profile style, rod style or detached electronics coupled with various outputs such as Digital Start/Stop, PWM, SSI, Analog, ProfiBUS, CanBUS, DeviceNET, Ethernet IP & EtherCAT. Single or multi magnet position or velocity feedback is also possible. Diagnostic LEDs help with any troubleshooting in the field, as well as field programmable parameters makes setup & adjustment quick and easy.



MTS Liquid Level Sensors are capable of measuring product level, interface level and temperature from a single process opening. With sanitary options, they are suitable for pharmaceutical, food and beverage, or industrial applications such as Chemical and Petroleum. Options for above ground or underground storage tanks available. 4-20ma single or dual loop or HART communications are possible.

CURTISS - WRIGHT

EXLAR®

Electric Actuators offer unmatched range of capabilities, power & performance in both linear and rotary configurations. Roller Screw technology offers longer life, higher forces and speed over Ball screw actuators and have successfully replaced both pneumatic and hydraulics in a wide range of applications. Available with various coatings, stainless steel, food grade grease and explosion proof options these actuators can be used in many different industries.



GSX/GSM Series - Integrated Linear Actuator, combines roller screw & T-LAM motor technology, for a high performance & long life in a compact actuator

K Series - A universal design, proven roller screw technology, flexible mounting options and adapts to various types of motors this is a truly flexible actuator

FT Series - Compatible with a wide variety of motors, available in three frame sizes with strokes from 12 to 96 inches, and a load rating up to 40,000lbs

Tritex II - Combines a Servo Drive, Digital position controller, brushless motor & linear or rotary actuator in one compact package. Available in AC or DC

EL Series - Explosion Proof actuators rated for Class I, Div I, Groups B,C & D also meets ATEX essential requirements & conformity with EU ATEX Directive.

SLM/SLG - SLM Brushless Servo Motor offers high torque in a small package and one of the highest power densities available with the SLG Gearmotor.



TR Electronics offer a complete range of rotary Encoders, cable retractors / string pots & Laser Distance measurement with multiple interfaces including all major fieldbus protocols. Safety Light Curtains, Inclination, Proximity, Ultra Sonic, Photoelectric, Ring, Contact, Angle & Fork Sensors are also available.



Every Hydraforce cartridge valve, manifold and electrohydraulic control goes through rigorous testing & inspection to perform beyond industry standards. They offer a unique blend of custom design solutions. Design your own hydraulic circuit for your mobile application with the Hydraforce iDesign software, or create a custom manifold to consolidate your hydraulic control system & minimize external connections. Guard against corrosion in tough environments with the G-Coat option rated for 1000hr Salt Spray. Valves are also available with integral position sensing as well as a line of HyPerformance—High Pressure valves rated for 350bar/5075 psi continuous operating pressure. CoreTek controllers offer IP67 rugged enclosures, are flexible and easily scalable and programmable with CoDeSys open source software.



ROSS offers a complete line of Safety Pneumatic Solutions in their DM1 & DM2 Control Reliable Valves with dynamic monitoring and memory. L-O-X valves for Pneumatic energy isolation (LOTO) with features such as EEZ-ON and all Stainless Steel options available. Ross Poppet Valves are positive sealing and are both dirt tolerant and self compensating for wear to provide sure repeatable shifting over the life of the valve. Ross provides complete air entry solutions. The Ross Dale valves have outstanding flow characteristics in a very compact design available as single valves or in a manifold version. Virtually leak proof design makes them the perfect choice for leak testing purposes. With an impressive Cv range of 3.5 to 100. Ross valves can be found in the Steel & Aluminum Industries, Glass container industry, as well as Presses / Metal forming, Thermoforming, Packaging and many others.



Tolomatic has all you need for electric linear motion control with an extensive offering of rodless and rod-style electrical linear actuators. Complete your actuator system with either servo or stepper motion control.



MACRON DYNAMICS, INC.



Macron Dynamics, Inc., a manufacturer of linear and mechanical motion components and systems, provides automation solutions. Macron products offer a combination of versatility, positioning repeatability durability, and virtually maintenance-free operation. Belt Driven Linear Actuators, Ballscrew Driven Actuators, Gantry X-Y Linear Systems, Cartesian Robots. Customized solutions, long stroke actuators with quick delivery.



Precision Rack & Roller Pinion Systems, Precision Ring Drive Systems, Servo Motor Brakes, Rod Locks, Rail Brakes, Torque Limiters, Clutches, Friction Brakes, Linear Couplings

Nexen products touch industries where applications improve lives, maximize equipment performance, improve efficiencies, minimize waste, reduce costs and enhance the environment. These industries include, aerospace, robotics, medical machine tool, automotive, factory automation, packaging and material handling.





STOBER

STOBER produces the highest quality gearboxes in the world. Our motion control products are backed by a five year warranty, and our power transmission products are backed by a three year warranty. The best people, processes, and products help us be geared to a higher standard.



Molded Cables

PQS Heavy Duty Molded Polyurethane Cables offer excellent abrasion resistance over PVC and resists oil, oxidization, sun exposure, ozone, water, acid, alkali, degreaser solvents etc.

PQS Cables are far more flexible at lower temperatures and less prone to cracking than PVC.

Cables are available with a variety of mating connectors molded to the cable providing a stronger and better sealed unit.



Hydac offers a comprehensive range of hydraulic & electronic products. Including accumulators, filters, pressure sensors, heat exchangers & cooling systems.

HYDAC was founded in 1963 as a company for hydraulic accessories and is today an internationally active company group with over 8000 employees, 50 branch offices and 500 trade and service partners world-wide.



Axiomatic Technologies Corporation is a quality designer and manufacturer of electronic controllers and power management converters. Robust and reliable electronic controls optimize working machines for performance and emission control. Axiomatic focuses on innovative and efficient designs, quality ISO 9001:2008 manufacturing and cost-effective solutions.

Hydraulic valve drivers and controllers, amplifiers, DC-DC converters, surge suppressors, current converters, CAN bus/CANopen® SAE J1939 displays, modules and controls.



RAPID CONTROLS

Rapid Controls offer a complete range of Temposonic interface electronics, converters and displays.

Rapid Controls has been helping customers to design and develop their electronic products since 1987. Rapid Controls can start with just an idea and do full turnkey development or do focused work on a specific area of your existing design.





Servolife Filters

Pressure Filters available inline (SLI) or manifold (SLM) with a 4", 8" or 13" - 3 micron high pressure, non by-pass elements & flows up to 45GPM @ 25 Psid

Our various products provide an ideal mix of motion control devices to address most any application in any industry.

Whatever your positioning or pressure control requirement - we have a solution.



Manufactures a complete line of hydraulic & pneumatic cylinders, suitable for use with MTS position feedback sensor.

Industrial users of our cylinders appreciate that our cylinders are designed to survive in hostile applications and can be rebuilt to new factory specifications without special tools. Our cylinders have a reputation for taking abuse that would cause other cylinders to fail.



DIPLOMATIC

Hydraulic Valves, Pumps and Accessories

Advanced range of valves & electronics, directional valves and pumps.

Dipomatic Explosion Proof Hydraulic Valves, are ATEX approved EExd and are available with single and double solenoids , pre-wired with swiveling solenoid assemblies to accommodate installation.

Flows from 0 to 1000 liters / 260 gpm



Stainless Steel enclosures for MTS position sensors. Water & gas tight for protection of sensors in rough environments. Explosion proof for use in hazardous locations ATEX or UL / cUL approved.

The High Pressure Housing is ATEX EEx approved and UL and cUL approved for use in hazardous locations. The ATEX, UL and cUL approvals cover flammable gases, vapors and liquids.

Both fixed cable and connector versions can be used. When using a standard sensor in this housing you get a cost efficient solution for use in hazardous locations which also allows easy sensor replacement.



NORGREN

NORGREN / HERION / KIP - Process valves, pressure switches, proportional valves and quick exhaust valves.

PQ offers Norgren / Herion / Kip - a wide range of high quality pneumatic and fluid control products such as actuators, pneumatic filters, regulators and lubricators, fittings and valves.



PQ Systems Ltd

- MOTION CONTROL -

Located in Vancouver, BC, our six thousand square foot fully equipped facility is the sales and service centre for our many customers throughout western Canada.

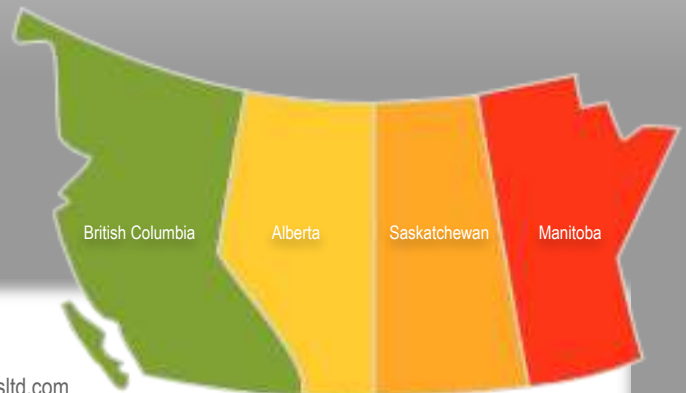
In addition to technical support personnel, our staff includes fully trained technicians and highly skilled field representatives with many years of combined application experience.



Serving industry for over twenty five years, providing technically enhanced motion control solutions.

Our various products provide an ideal mix of motion control devices to address most any application in any industry. Whatever your positioning or pressure control requirement - we have a solution.

For sales, service or additional information call us today at PQ Systems Ltd.



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