



Controlled Motion Solutions



Hydraulics



Filtration



Fluid Connectors



Pneumatics



Seals



Lubrication

People
Products
Performance
Solutions

Your Complete Motion & Control Source

Controlled Motion Solutions, Inc. provides the most comprehensive offering of motion & control products available in the market today. Our total system capabilities enable our customers to purchase all of their fluid power components from just one source.

At Comoso we stock top-quality products from leading manufacturers such as Parker, Balluff, Delta, Schmersal, NoShok and many others. No other company gives you our vast selection of components, at such great value, to help keep your business growing.

Comoso offers:

- Hydraulics
- Automation
- Hose & fittings
- Seals
- Motion control
- Instrumentation
- Gauges
- Lubrication
- System design & fabrication
- Engineering services
- 24-hour, on-site Mobile Hose service
- Local Parker Stores
- Rental units



Value Added



Mobile Hose Service

- 24-hour on-site service
- Custom hose assemblies
- Preventative maintenance programs

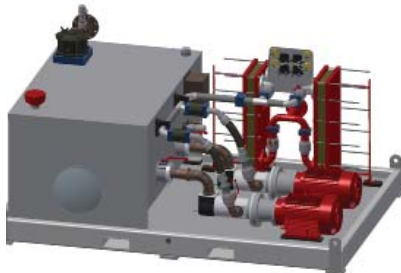


Store

- We have metrics!
- Huge inventories
- "Full-line" product offering

- Instrumentation Valves & Fittings
- Hose assemblies — While you wait
- Factory-trained staff to assist you

Your source for Quality products



Engineering Services

- System design, analysis & troubleshooting
- 2D, & 3D, conceptual design & layout
- System efficiency analysis
- Bearing lubrication analysis



Mobile Plus

- On-site system installation
- Tube & hose fabrication
- Welding
- Start-up assistance
- Turnkey systems



Sub-Assembly

- Any & all components can be kitted
- Sub-assemblies produced
- Complete prototyping services available



Motion Picture Special Effects

- Design & supply components for multi-axis motion base
- Closed-loop systems
- Computer interface
- Record-playback capabilities
- Rental equipment for entertainment industry



Customized Rental Units

- Hydraulic power units
- Customized power units
- Off-line filtration units
- Accumulator racks
- Filter carts



- System design & integration
- System installations, turnkey systems
- Standard or custom power units
- Off-line filtration systems & carts
- Custom tube bending
- Custom manifold — Design, manufacturer & assembly
- PLC controls & programming support
- Motion control, integration & tuning
- Data acquisition, logging & monitoring
- Panels/enclosures integration
- Custom operator interface touchscreens

SID - System Integration

Exclusive California
Denison Distributor

Industrial Hydraulics & Filtration

Industrial Hydraulics

- Cylinders — Tie rod, welded & custom
- Pumps & motors — Piston, vane, gear & screw
- LSHT roller vane motor
- Valves — Directional, pressure & flow control, explosion proof/ATEX
- Servo & proportional valves & controllers
- Accumulators — Piston, bladder & diaphragm up to 5000 psi
- Mini AC & DC power units
- Rotary actuators
- Parker, Denison, Oildyne & SPX, Dynex, Hydac, Atos & Settima

Filtration

- Low, medium & high pressure filters, duplex, API
- Water removing elements & breathers
- Competitive interchange elements
- Dehydration systems
- Filtration skids





- Tube bending
- Control panel design & build
- System/circuit design
- Valve manifold assembly & test
- FRL assembly & test
- Special packaging
- Component kitting
- Motion control
- Data acquisition
- Panels/enclosures
- Transair — Energy efficient, quick connect technology, removable and reusable, modular design, no corrosion, leak free
- Aluminum T-slot framing services — Design, fabrication & installation of:
 - Machine guarding
 - Machine frames
 - Test stands
 - Special fixtures

Value Added

Mobile Hydraulics & Lubrication

- Hydraulic valves, portional, level & load sense
- Pumps & motors — Piston, vane, & gear
- HSLT motors
- Hydrostatic steering units
- Parker — Gresen, Apitech, Pulsar, Commercial
- SPX Power Team™, SPX Stone™
- Hydac
- IQAN control system
- Hydrostatic loop filters
- Bent-axis — VOAC/Brevini Fluid Transmission
- Brevini wheel drives & Ausco Brakes

Lubrication

- Automated lubrication systems house
- Orsco® auto lubrication systems
- Oil or grease lubricating systems
- Complete line of accessories





- Drive & motors
- AC drives & motors
 - DC drives & motors
 - Servo drives & motors
 - Stepper drives & motors
 - Multi-axis motion controllers

- Mechatronics
- Belt drive positioners
 - Screw driven positioners
 - Electric cylinders - high force, rodless
 - Rotary positioners

- Electrohydraulics
- Open & closed loop controls
 - Multi-axis motion controllers
 - Precision force & position controls

Motion Control

Automation

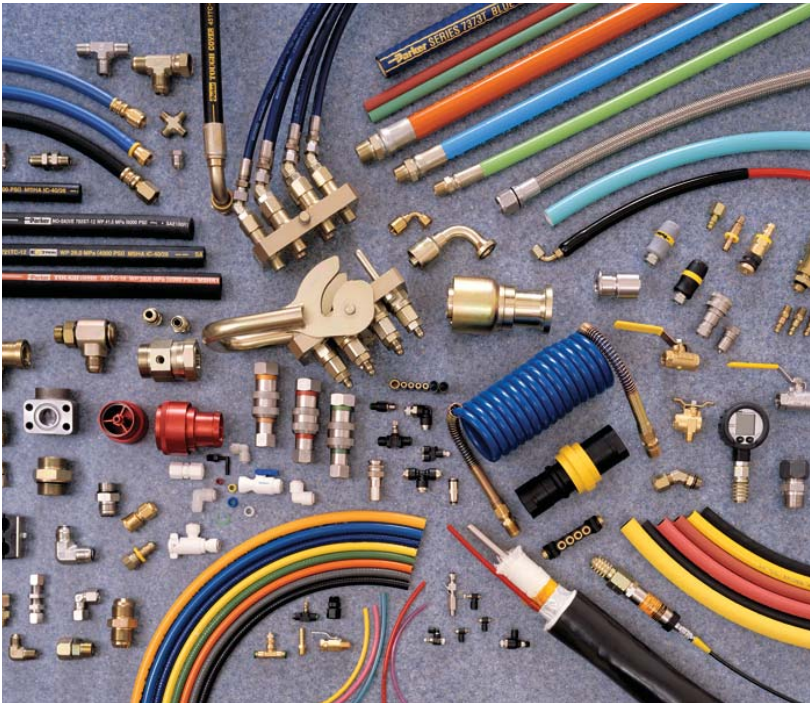
Pneumatics

- Cylinders — Compact, ISO, NFPA/Tierod, rodless, guided, round, rodlocks, custom
- Actuators — Rotary, air motors, slides, shock absorbers, clamping, special application
- Valves — ISO, manifold, fieldbus, lever, foot, solenoid, process control, special purpose
- Air preparation — Modular FRL's, filters, dryers, oil removal, pressure regulators, lubricators, soft starts
- Piping systems — Transair advanced piping system, receiver tanks, drains, water separators, air boosters, relief valves
- Air logic — Timers, counters, pulse, oscillating, shuttle, check, 2-hand start, sequence, sensors, indicators
- Schunk — Grippers & modular automation
- Vacuum generator

Electrical

- Cabling solutions — Cordsets, valve connectors, shielded, RJ45
- Power supplies & intelligent power distribution
- Operator interfaces — Touchscreens, HMI's, PC's
- Fieldbus solutions — I/O, valves, motion control, cabling
- Safety relays, switches, light curtains, 2-hand controls, pressure mats, controllers
- Control cabinet products — Cable entry, panel interfaces, pushbuttons, switches, relays
- Sensors — Proximity, optical, linear feedbacks, cylinder, transducers, temperature, pressure, moisture, color, capacitive, ultrasonic, flow





- Parker hose & fittings — 100's of styles to choose from; air, hydraulic, water, fuel, oil, vacuum to 10,000 psi
- Industrial hose — Acid, chemical, air, multipurpose, coupling, fire, food & beverage
- Fittings, tube, adapters & valves, brass, steel, stainless steel, plastics, aluminum & instrumentation
- Parker thermoplastic tubing — Nylon, polyethylene, polyurethane, polypropylene, teflon, clear vinyl & self-retracting coiled assemblies
- Quick couplers — Pneumatic, hydraulic, water, vacuum to 10,000 psi
- NoShok gauges — Transducers & needle valves
- All products available in US Standard or Metrics
- Tube bending, cutting & flaring tooling
- Alternate fuel; refueling nozzles & receptacles, breakaway quick couplers, dispensing hoses

Fluid Connectors

Seals

- High performance — Custom seal kitting, auto-bagged for accuracy, custom labeling/packaging, bar coding, logo, heat sealed, low-high volume, engineering design
- O-ring — Kalrez®, NBR,HNBR, XNBR, TFEE/PE, ACM silicone, fluorosilicone, FKM, FFKM, EPR, polyurethane
- Seal troubleshooting & engineering — Chemical analysis, application & size evaluation
- Fluid power seals — Hydraulic piston & rod seals, hydraulic scraper/wipers, hydraulic wear/guide rings
- Parker Chomerics — EMI shielding, conductive rubber, adhesives & sealants, shielding gaskets
- Rotary seals — Mechanical seals, seal repair, component & cartridge seals, polymer seals, UTEX® cartridge seals
- Custom rubber shape seals — Compression, transfer, LIM molding, diaphragms, V-ring, wellheads
- Composites — Rubber, plastic, metal, bonded seals, Gask-o-seals, integral seals, resin-reinforced polyester fiber, CIP™
- High performance polyurethanes — Polypaks, U-cups, Resilon® bumpers, cast urethanes
- High performance plastics — Water resistance & high temps, PTFE back-up rings, spring energized (SES), seals, O-ring loaded U-cups





Hydraulics | Pneumatics | Fluid Connectors | Seals | Filtration | Lubrication | System Design

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