

People  
**Products**  
**Performance**  
Solutions



*Lubrication*



*Hydraulics*



*Fluid  
Connectors*



*Pneumatics*



*Filtration*



*Seals*





Motion Flow & Control Products 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 MFCP 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.



## MFCP Offers

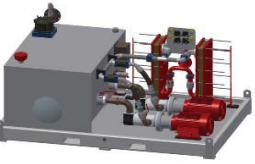
- Hydraulics
- Automation
- Hose & Fittings
- Custom Seals
- Motion control
- Instrumentation
- Gauges
- Lubrication
- System design & fabrication
- Engineering services
- 24-hour, On-site mobile hose service
- Local ParkerStores
- Rental units



# Your source for **Quality** products

## Engineering Services

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



## Motion Picture Special Effect

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

## 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



## Customized Rental Units

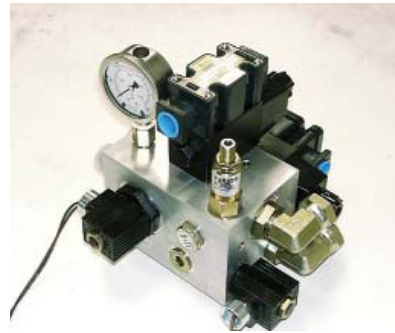
- Hydraulic power units
- Customized power units
- Off-line filtration units
- Accumulator racks
- Filter carts

## Store

- We have metrics!
- Huge inventory
- "Full-line" product offering
- Instrumentation valves & fittings
- Hose assemblies while you wait
- Factory-trained staff to assist you



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

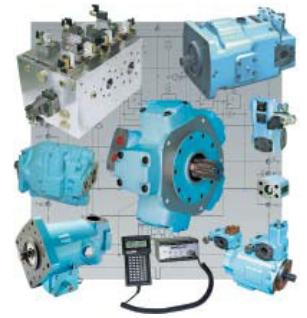


## SID - System Integration

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

## 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

## Value Added

- 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 & reusable, modular design, no corrosion, leak free
- Aluminum T-slot framing services — design, fabrication & installation of:

- Machine guarding
- Machine frames
- Test stands
- Special fixtures



## Mobile Hydraulics

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

## Motion Control



## 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

## 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 — cord sets, 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





## Fluid Connectors

- 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, fire, food & beverage, hose couplings
- 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

## 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 resistant & high temps, PTFE back-up rings, spring energized (SES), seals, O-ring loaded U-cups





## Products

Actuators, Stages & Cylinders  
Automation Components  
Compressed Air Equipment  
Controls  
Drives & Motors  
Electrical

Filtration  
Gauges & Measurement  
Hose, Tubing & Fittings  
Hydraulics  
Machine Safety  
Mobile & Truck

Pneumatics  
O-Rings & Seals  
Sensors & Switches  
Tools & Assembly  
Vacuum  
Valves

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## Services

Seal Kitting Services  
Hose Kitting Services  
Cylinder Interchanges  
Hydraulic Component Repair  
Tube Bending and Fabrication  
Rental Units/Equipment

Vendor Managed Inventory

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## Engineered Solutions

Control Systems & Enclosures  
Standard Hydraulic Power  
Units  
Custom Hydraulic Power  
Units  
Custom Hydraulic Manifolds

Pneumatic Systems &  
Assemblies  
Seal Engineering  
System Installation  
System Design  
Schematics

Custom Machine Guarding  
Workstations & Workcells

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## Technologies

Automation  
Compressed Air & Pneumatics  
Controls/Control Panel  
Electromechanical  
Filtration  
Hose, Tubing & Fittings

Hydraulics  
Mobile Controls &  
Hydraulics  
Machine Safety  
Seals & Engineered  
Materials

Industrial Hose

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## Locations

We support our customers in the Western United States with a growing number of locations. When you visit one of our ParkerStores, you can count on quick, friendly service from one of our store professionals.

All of our ParkerStores stock products provide hose assemblies while you wait, adapters, and many Parker fluid connector products. Individual stores offer additional products and services to support the industries in their specific locations.