

Western Integrated Technologies

MECHANICAL · FLUID POWER SYSTEMS · ELECTRICAL



ENGINEERING YOUR SUCCESS.

About Western Integrated Technologies

Western Integrated Technologies (WIT) supplies leading manufacturers of mobile and industrial equipment, with integrated fluid power, mechanical, electronic and software system solutions throughout the world.

WIT manufactures custom designed power units and systems for use in a wide variety of industries and applications including Power Generation Control Systems, Aircraft Manufacturing, Ground Support Equipment, Wood and Food Processing Systems, Marine Winch and Deck Machinery Systems, and a wide variety of off-road vehicle systems such as Agricultural Harvesters and Construction Machinery.

WIT is the only Parker Hannifin authorized “Hydraulic Systems Integrator” in the Western United States, and as such manufactures hydraulic power units and test stands for Parker’s own use, as well as for resale by Parker. WIT received this distinction after becoming one of the select few distributors nationwide to be certified in all four “Parker authorized” designations: Authorized Power Unit Assembler, Hydraulic Technical Center, Mobile Technical Center and Truck Technical Center. For each of these designations, WIT must adhere to strict Parker Hannifin requirements regarding facility, engineering, manufacturing, machining, employee training, customer support, and inventory control.

WIT has extensive in-house machining capabilities, including CNC machining centers incorporating state-of-the-art manufacturing practices for valve manifolds, and support products.

WIT’s Service Division technicians are available to install and commission, as well as troubleshoot and maintain fluid power integrated systems.

WIT incorporates a multitude of Parker products in the manufacture of motion and control systems using Parker cylinders exclusively, many of which are manufactured at Parker’s facility located adjacent to WIT’s Portland manufacturing facility.

WIT’s seven office locations throughout the Western United States have built a reputation for innovation in the fluid power industry, while providing clients with technical expertise and exceptional customer support. WIT embraces the latest in technological advances in order to remain the best fluid power integration choice for our customers.

WIT invites you to tour any of our facilities but mostly our new 45,000 square foot, engineering and manufacturing facility in Portland, Oregon.

WIT looks forward to the opportunity to help with your project by providing integrated cost-effective total system solutions, and world class delivery to meet your needs.



Concepts

Partnerships

Solutions

Industrial Hydraulics and Filtration

Industrial Hydraulics

- Parker cylinders – tie rod, welded and custom
- Parker pumps and motors – piston, vane and gear
- Parker valves – directional, pressure and flow control
- Parker servo and proportional valves
- Parker accumulators and gas bottles – piston, bladder and diaphragm up to 5,000 psi
- Up to 10,000 psi rated components
- Parker AC and DC mini power units
- Rotary actuators
- Parker, Denison and Oildyne



Filtration

- Low, medium and high pressure filters
- Water removing elements and breathers
- Competitive interchange elements
- Dehydration and purification systems
- Filtration and conditioning systems



Electro-Mechanical Systems



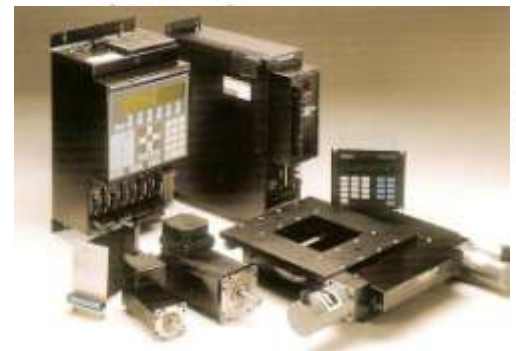
Parker/SSD Servo Motion Controllers

- Seamless transition between force, speed and/or position control
- Graphics displays for easy setup and troubleshooting



Electro-Mechanical + Electro-Hydraulic

- Steppers and proportional servomotors
- Drives, controls and linear actuators
- Open and closed-loop onboard electronics
- VFD – AC variable frequency drives



Hydraulic Systems Integration

- Mechanical, electrical and hydraulic system integration
- Parker off-line filtration systems
- Standard or custom power units
- Automated lubrication systems
- System installation
- Turnkey systems



- Custom valving manifolds
- PLC controls
- Motion control systems
- Position feedback controls
- Data acquisition
- Panels and enclosures
- Touch screen controls
- Remote monitoring systems
- Parker accumulator and gas bottle systems

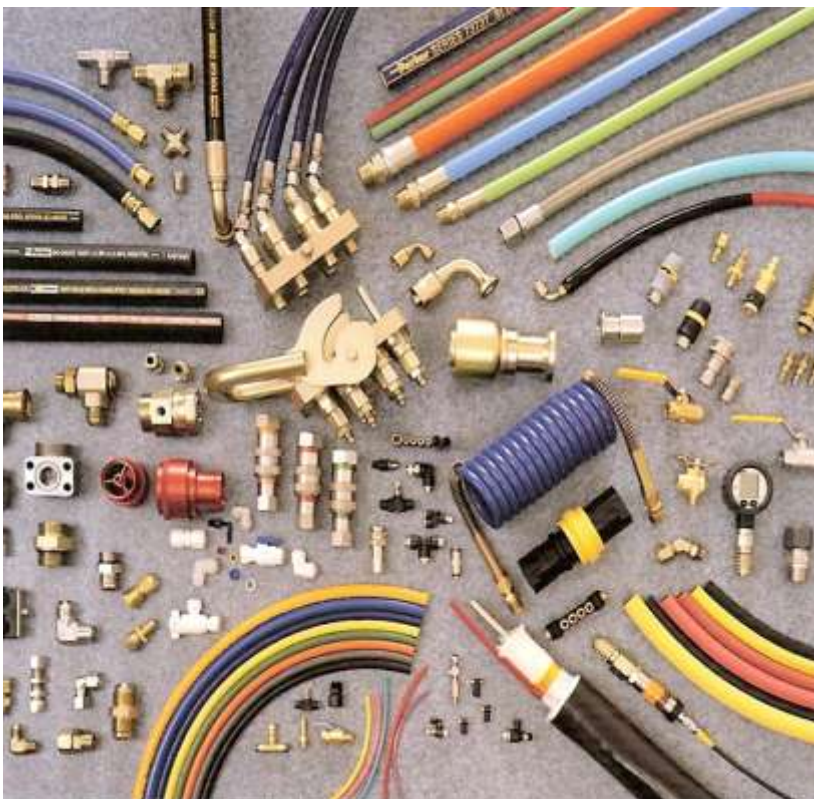


Pneumatics

- Parker cylinders – compact, round, tie rod, guided, rod less, NFPA and ISO
- Parker valves – inline, sub base, manifold, ISO 5407 and ISO 5599
- Parker rotary actuators – rack and pinion or vane type
- Parker structural framing – metric or inch available
- Parker finite coalescing – filtration assemblies and Parfit™
- Grippers, slides, shock absorbers, air motors and special application actuators
- Parker air preparation units – FRLs and assemblies
- Vacuum generators and cups
- Parker auxiliary products for air systems – flow controls, blocking valves, manifolds and exhaust components
- Skinner and Gold Ring valves
- Parker pressure sensors – digital and analog



Fluid Connectors



- Parker hose and fittings – hundreds of styles to choose from: air, hydraulic, water, fuel, oil and vacuum to 10,000 psi
- Parker fittings, tube, adapters, brass, steel, stainless steel, plastics, aluminum and instrumentation
- Parker thermoplastic tubing – nylon, polyethylene, polyurethane, polypropylene, Teflon, clear vinyl and self-retracting coiled assemblies
- Parker quick couplers – pneumatic, hydraulic, water and vacuum to 10,000 psi
- All products available in US standard or metric
- Parker tube bending, cutting and flaring tooling
- Parker alternate fuel, refueling nozzles, receptacles, breakaway quick couplers and dispensing hoses

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Branch Locations

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