

Advanced Fluid Systems, Inc.

Fluid Power Distributor and Systems Manufacturer

Your Fluid Power Partner

Mobile Capabilities and Solutions



This mobile unit employs both an operator panel and an independent radio remote control. The radio remote enables the user to securely operate the equipment at a safe distance.

Advanced Fluid Systems partners with each customer to provide integrated hydraulic, electronic and motion control solutions regardless of the application or environment.

Some of our capabilities include:

- Custom manifolds that combine multiple functions into one compact and cost effective assembly.
- Programmable motion controls and LCD displays for improved vehicle control, automation and J1939 engine management.
- Pressure compensated proportional valves for smooth stable movement and precise control.
- Diesel power, proportional control valves and radio remote controls for power, precision and safety anywhere you go. (shown left)

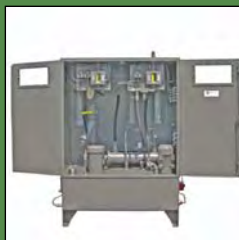
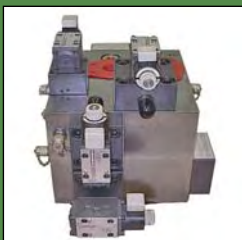
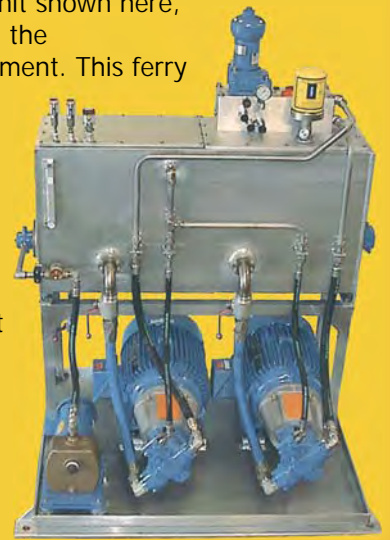
Learn more about our capabilities and integrated solutions in our brochure "Mobile Case Studies in Success".

Hydraulic Power Units and Motion Controls

Advanced Fluid Systems has been designing, building and servicing hydraulic and pneumatic systems for over 20 years. Our philosophy has remained the same, "learn the customer's business, build a relationship and a partnership, and provide them the highest quality solutions, products and services available." We work with you from conception through installation and support our systems anywhere you take them.

- PLC design, in-house programming and LCD touch screen interfaces for precision motion controls and flexibility.
- Closed loop motion profiles for accurate control of position, force, and velocity.
- Hydraulic power units, lubrication systems and filtration systems ranging in size from compact 1 HP units to 1000 gallon, multi-pump systems.
- Construction materials and unique designs for hostile environments and special applications. (shown right)

Some systems, like the aluminum and stainless steel unit shown here, are designed around the application's environment. This ferry active ride control system powers a set of dynamic foils to improve passenger comfort and safety. The system employs corrosion resistance materials, a compact 50HP layout and custom sea water-to-oil heat exchanger.

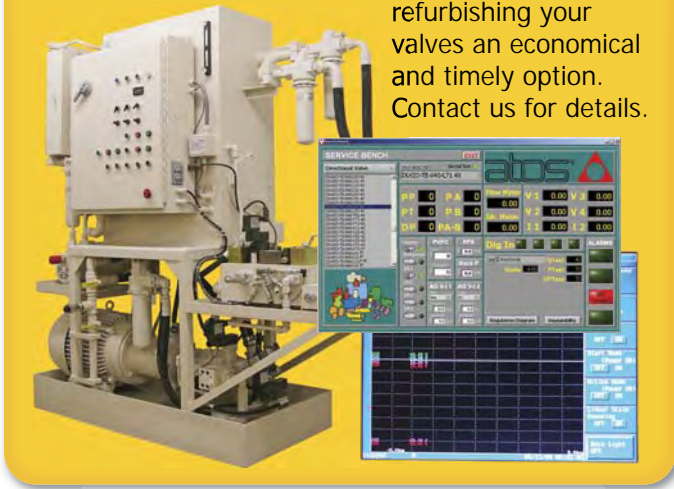


Visit us online at: www.advancedfluidsystems.com

Repair Services and Capabilities

Our repair departments dedicated valve test stand quickly and accurately evaluates proportional and servo solenoid valves regardless of make or model. Years of experience and the latest technology make

refurbishing your valves an economical and timely option. Contact us for details.



Advanced Fluid Systems' repair services are an economical way to keep your system running smoothly. We can recondition your components for a fraction of the cost, and often in less time, than it takes to get a new unit. We even refurbish hydraulic power units and complete systems.

Some capabilities and services include:

- Authorized service center for Atos, Oilgear, Linde, Kawasaki, MTS, Rineer, TJ-Vickers cylinders and more.
- Authorized Moog repair distributor, Oilgear warranty center and a Hawe mobile valve assembly center.
- Four test stands including a 400HP diesel system.
- Cylinder tear down machine and tooling for cylinders up to 16 inches in bore and 240 inches in stroke.
- Proportional and servo solenoid valve test center accurately tests and calibrates your most sensitive valves. (shown left).

Hydraulic and Pneumatic Components

Advanced Fluid Systems represents some of the most respected fluid power manufacturers in the industry. Some of these manufacturers include:

- **ATOS** - Servo solenoid, proportional, directional control, DIN cartridge and modular valves; pumps and cylinders.
- **Sun Hydraulics** - Cartridge valves, manifolds and custom valve assemblies.
- **Moog** - Precision servo valves, drives and industrial controls.
- **Hy-Pro Filtration** - High quality filtration products, interchangeable elements and filtration systems.
- **Ross Controls** - Pneumatic directional control valves, FRL's and Ross Flex custom manifold solutions.

...Kawasaki Hydraulics, Oilgear, HAWE Hydraulics, Vickers (Eaton) cylinders, Continental Hydraulics and many more.

Visit Us Online...



Our new web site details some of our hydraulic system and motion control capabilities, contains links to all of the manufacturers we represent and features our new movie.



Visit us online at: www.advancedfluidsystems.com

Advanced Fluid Systems can help you...



... reduce assembly costs and increase performance with custom manifolds and proportional controls.



... increase application value and functionality with user-friendly interfaces and designs.



... minimize downtime and replacement costs with quality products and repair services.



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