

APPLICATION ENGINEERING

Over 60 Years of Total Fluid Power Experience



JWTF
TECHNOLOGIES

CUSTOM GAS SPRINGS & FLUID POWER APPLICATIONS

Cincinnati | Cleveland | Detroit

ISO 9001:2000 Certified

Industries Served

- Machine Tool
- Steel Production Machinery
- Sawmill Machinery
- Coil Handling Equipment
- Plastics Machinery
- Metal Forming
- Refuse Equipment
- Medical
- Off-Highway Equipment
- Packaging Equipment
- Special Machinery
- Hydraulic Presses

Value-Added Services, Design and Service Manuals

Our applications engineering department designs all of our systems using Automation Studio software. This enables us to provide our customer with a complete schematic, bill of material and operation manuals for each system we design, whether it is hydraulic or pneumatic.

Custom Valve Packages

At JWF Technologies we design, build and test integrated custom valve packages. Integrated manifolds can range from a standard ISO valve manifold, to a cartridge valve manifold, or a hybrid (ISO and Cartridge) style manifold to achieve a desired performance.

Features of integrated valve packages:

- Modular design provides ease of installation and fewer leak points.
- Integrated motor and pump options are available to achieve a compact design.
 - Reduce the overall size of the valve package as compared to traditional manifold assemblies.
 - By utilization of cartridge valves, along with standard ISO valves, we can achieve high flows and accurate performance while reducing the overall cost of the valve package.



Pneumatic Panels and Logic Systems

Pneumatic panels are ideally suited for explosive or hazardous environments where electricity is prohibited. Pneumatic Logic systems eliminate the need for PLC's and programming of sophisticated controllers.

- Pneumatic panel design and assembly
- Custom valve packages
- Specialty air manifolds
- Complete design capabilities or build to customer specification

Hydraulic Power Units

At JWF Technologies the solution is easy. We will build to our customers' specifications or design the most efficient high performing system we have to offer.

With complete in-house capabilities we can ensure total quality control throughout design, fabrication, test and paint.

Power units designed by JWF Technologies are designed to maintain the highest level of performance and efficiencies, while producing the minimum level of noise regardless of the application.

- Hydraulic power unit design and fabrication
- Vertical or horizontal orientation
- Overhead / L-Shape / Custom Reservoir
- Compact designs
- Hydraulic filter cart design and fabrication

Standard Offerings:

- Isolation Bars for Electric Motors
- Service Manuals
- System Relief
- UV Leak Test
- ISO Filtration Requirements
- Traceable Documentation





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6820 Fairfield Business Drive • Fairfield, Ohio 45014 • Toll Free: 877-769-9611 • Ph: (513) 769-9611 • Fax: (513) 769-0109

www.JWFtechnologies.com