CREATING ENGINEERING SOLUTIONS TO INNOVATE THE TECHNOLOGY OF INDUSTRY

One Company / Thousands of Components / Custom Solutions
JWF Technologies is a specialized distributor servicing customers who require engineered solutions for ergonomic motion control, as well as hydraulic and pneumatic systems and components. As a stocking distributor with locations in Cincinnati (Headquarters), Cleveland, Detroit, and Canada we are able to provide our customers with timely design assistance and shipment of their finished product.

Design & Engineering
With decades of experience in the industry, we have learned the value of customer service. This is why we have become a complete systems design and integrator resource. We design custom packages to meet each customer’s specific needs to reduce cost, decrease assembly time and increase reliability. With our Solidworks, VEST and EINBAU design software packages, we can design a solution to meet all of your functionality needs and ensure ergonomically safe results per any specification. We provide engineering data with each design in order to help you locate and install custom designed product.

Our Mission
Our Mission is "Simply to be the best at what we do". Our goal is to become a sustaining resource to our customers and provide value-added services to make our customers more efficient and competitive in their industries.

Value Added Services
- Bar Coding
- Kitting
- Custom Packaging
- Assembly
- Fabrication
- Custom Part Numbering & Labeling
- Dock-To-Stock
- Just-In-Time
- Custom Labeling
- Dock-To-Stock
- Just-In-Time
- Custom Labeling

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

Features of Integrated Valve Packages
- Modular design provides ease of installation & fewer leak points.
- Integrated motor & 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.

INDUSTRIES WE SERVE
- Machine Tool
- Steel Production Machinery
- Sawmill Machinery
- Coil Handling Equipment
- Plastics Machinery
- Metal Forming
- Agricultural Equipment
- Off-Highway Equipment
- Refuse Equipment
- Medical
- Packaging Equipment
- Special Machinery
- Hydraulic Presses
- Material Handling
- Furniture
THE JWF CREATION PROCESS

We approach every project knowing our solution is going to be unlike anything we’ve created before. That’s because each solution is unique to you! Our Creation Process is based on the need to be Creative & Think Beyond the Typical in order to reach the best solution. This 6 step process allows us to create quality products simply & efficiently.

1. Research
   - Customer Analysis
   - Benchmarking
   - Production Definition

2. Concept Development
   - Concept Research
   - Presentation Renderings
   - Quick Functional Mock-Ups

3. Product Development
   - Engineering Analysis
   - System Tolerance
   - FEA

4. Prototype
   - Engineering Mock-Ups
   - Mechanisms/Structures
   - Functional Motion Range
   - Appearance Builds

5. Production
   - Production Process Capability
   - Custom Paint Application

6. Validation
   - Design Verification
   - Planning & Testing

"Everything we Create is Unique Because Every Problem is Unique."
GAS SPRINGS

JWF Technologies is the largest North American distributor of Stabilus gas springs, sometimes referred to as gas shocks. We take pride in this distinction, because Stabilus gas springs are high quality and time-tested. In fact, Stabilus invented the world’s first standard production gas spring and is now the world’s largest manufacturer of gas springs, making over 450,000 springs a day. The Stabilus gas spring line has products that can address all your needs, including locking and non-locking springs and dampers.

Do you need a specific motion control application for a project you’re working on? JWF Technologies provides design assistance for motion control applications utilizing Stabilus gas springs, locking springs, and hydraulic dampers. Our patented ‘einbau’ software allows us to provide detailed information on mounting points, handle loads, temperature compensation, and life expectancy in our simulation.

WE CAN HELP YOU WITH...

• Lift Assist with LIFT-O-MAT gas springs for both automotive and industrial uses
• Locking with BLOC-O-LIFT gas springs for a rigid or elastic lock, and various types of mounts
• Dampening with STAB-O-SHOC hydraulic dampers - to dampen both motion and vibration
• and much more...

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.

Standard Offerings

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

WE CAN HELP YOU WITH...

• Hydraulic Power Unit Design and Fabrication
• Vertical or Horizontal Orientation
• Overhead / L-Shape / Custom Reservoir
• Compact Designs
• Hydraulic Filter Cart Design and Fabrication
JWF Technologies LLC is a specialized distributor of custom Gas Springs, Dampers and Fluid Power Components. We provide engineering support from the concept stage to the production stage and beyond. At JWF, we understand the importance of downtime in every operation. This is why we specialize in creating integrated valve and pump packages to decrease the amount of leak points, improve performance and make installation easier.

We pride ourselves in providing our customers with the best of the best when it comes to filtration. We personally design each and every system to meet your specific needs whether it is filtering a hydraulic system, monitoring contamination levels or providing lab equipment for the most extensive of testing.

Accessories
- Flow Meters
- Reservoir Accessories
- Hose & Hose Assemblies
- Fittings - Hydraulic & Pneumatic
- Couplings
- Gauges
- Tubing
- Sensors

WE CAN HELP YOU WITH...
- Custom Power Units
- Standard & Custom Manifold Designs
- Cylinders: NFPA, Welded, Tie-Rod, Pneumatic
- Open And Closed Loop Systems
- Filtration Systems
- Pneumatic Logic Control Systems
- Electromechanical Actuators
- Hose & Fitting Assemblies
- Ergonomic Lift Assist

WE CAN HELP YOU WITH...
- Custom Cylinder Designs
- Integrated Valve Manifolds
- Joysticks and Electronic Controls
- Custom Gas Spring Designs For Your Application
- Cartridge Valves, Proportional Valves & Motorized Flow Controls
- CAN-BUS
At JWF, we specialize in the design of fluid power and ergonomic solutions for the medical and instrumentation markets. We customize gas spring, pneumatic, hydraulic and electromechanical solutions for medical bed manufacturers, medical equipment manufacturers, instrumentation, sleep surface air systems, lift tables, laptop carts and many other applications.

We know how important it is for our customer to introduce products to the market quickly, so we provide assistance from the design and prototyping stage through the production process to ensure a timely release. Our large inventory of product allows us to provide you with Just-In-Time supply so you can meet your customer’s needs.

MedicaL Equipment

We can help you with...

- Integrated Valve Packages
- Custom Hydraulic & Pneumatic Valve Designs
- Custom Cylinder Designs
- Gas Spring Simulations Designed Specifically To Your Application
- Custom Hydraulic and Pneumatic Integrated Packages
- Linear Actuators: Standard & Custom
- Line Ready Sub-Assemblies

Components

Power Units
- JWF Custom • AC & DC • Overhead • T-Shape • Horizontal • Bi Rotational

Gas Springs
- Non-locking (Lift-O-Mat) • Locking (Bloc-O-Lift) • Damper (Stab-O-Bloc) • Specialty

Pumps
- Gear • Piston • Vane

Motors
- High Speed Low Torque • Low Speed High Torque • Steering Circuits

Filtration
- Pressure • In-tank • Return • Spin-on • Suction • Contamination Monitoring

Valves
- ISO • Sectional • Cartridge • Mono Block • Line Mount • Integrated Packages

Heat Exchangers
- Hydraulic Driven • Electric Driven • Air Driven • Shell & Tube Plate & Frame

Cylinders
- JWF Custom • NFPA • Welded • Pneumatic • Hydraulic

Electric Actuators
- JWF Custom • Linear Actuators • Ball Screw • Acme Screw, Rotary • Special

Hose & Fittings
- Thermoplastic • Air Hose • Wire Braid • Fittings • Tubing • SS Wire Braid

Manifolds
- JWF Custom • ISO • Integrated Custom Packages

Accessories
- Pressure and Temperature Transmitters • Pressure and Temperature Gauges • Linear Transducers • Flow Meters • Rotary Encoders • Pressure Transducers • Rotary Unions