



One Company | Thousands of Components | Custom Solutions

A collage of three industrial images: a close-up of a black mechanical assembly with various pipes and fittings on the left; a welder in a blue protective suit and mask working on a metal structure in the center, with bright sparks and smoke; and a large, polished, cylindrical metal component with a flange on the right.

**DESIGN.
BUILD.
INNOVATE.**
IT'S WHAT WE DO.

CREATING
ENGINEERING SOLUTIONS
TO **INNOVATE** THE
TECHNOLOGY OF **INDUSTRY**



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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 EIVO 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
- VMI (Vendor Managed Inventory)



JWF

TECHNOLOGIES

WHO WE ARE

SOLUTIONS

As a leading supplier of hydraulic, pneumatic, and electromechanical components and systems, JWF Technologies is your source for effective engineered solutions that positively impact your organization. We're dedicated to providing a higher level of reliability when it comes to hydraulic and pneumatic solutions that move the world. Not only do our solutions perform to your required standards, they fundamentally improve your manufacturing or automation process. Whether it's a standard component, value-add service, or a complex custom solution you need, you'll find JWF to be a partner of great value. With more than four decades of experience in the fluid power industry, we can design custom application solutions to meet your organizational needs such as cost efficiency, rapid assembly time, and increased reliability.

JWF CERTIFIED QUALITY ASSURANCE

To guarantee the quality and reliability of our industrial products and solutions, rigorous performance testing is executed in our state-of-the-art testing center to ensure that no matter how big or how small, our solutions will get the job done time and again. JWF Certified Quality Assurance includes the following testing procedures:

- Gas Springs Force Testing
- HALT – Accelerated Life Cycle Testing
- Hydraulic Power Unit Testing
- Life Cycle Testing
- Decay & Pressure Testing
- Functional and Performance Testing

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
- Food Processing
- Material Handling

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.



Research

- Customer Analysis
- Benchmarking
- Production Definition



“Everything we create is unique



Prototype

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



JWF CERTIFIED



Concept Development

- Concept Research
- Presentation Renderings
- Quick Functional Mock-Ups



Product Development

- Engineering Analysis
- System Tolerance
- FEA

because every problem is unique.”

Production

- Production Process Capability
- Custom Paint Application



Validation

- Design Verification
- Planning & Testing



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 'EIVO' 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
- 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



INDUSTRIAL HYDRAULICS

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.

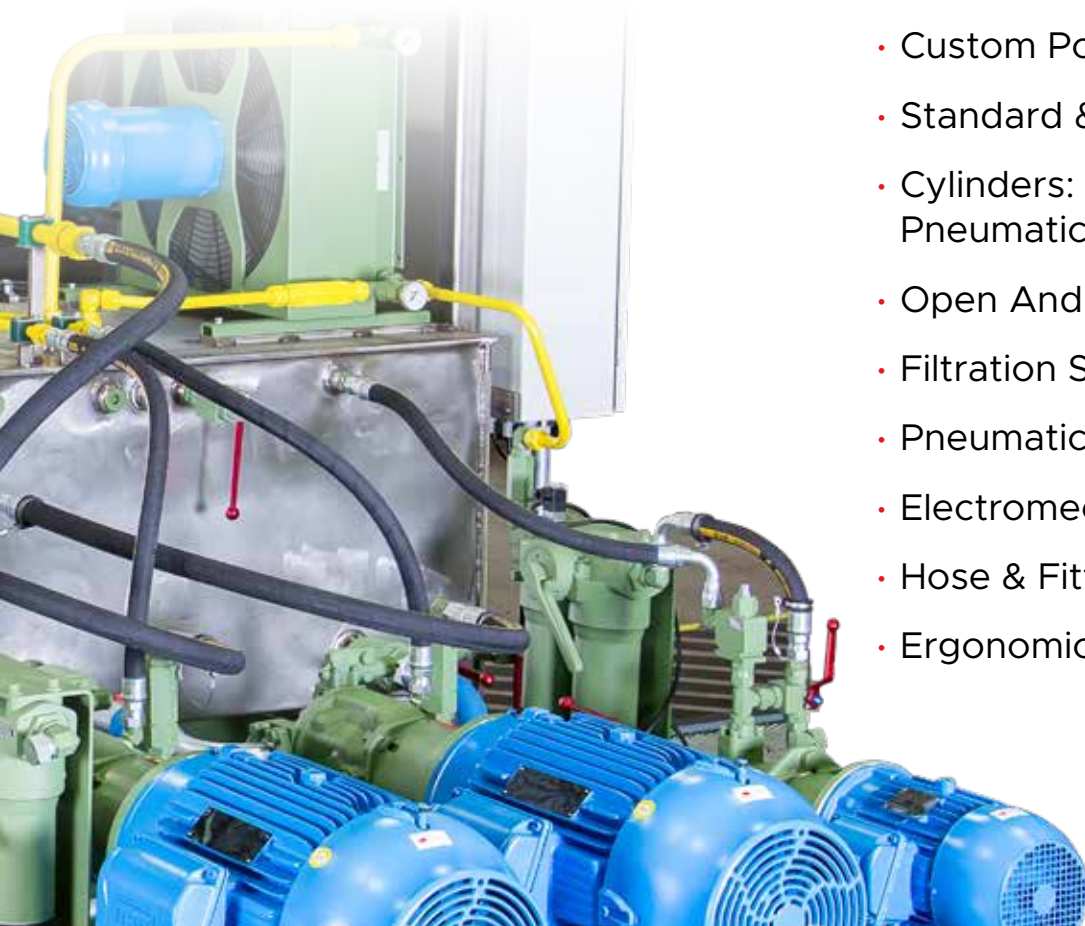
We are proud to bring our customers the best filtration products possible. We create and engineer all of our systems to fulfill your company's needs. From hydraulic system filtering, to fluid monitoring, we can provide you with any tools you need for a wide range of operations.

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



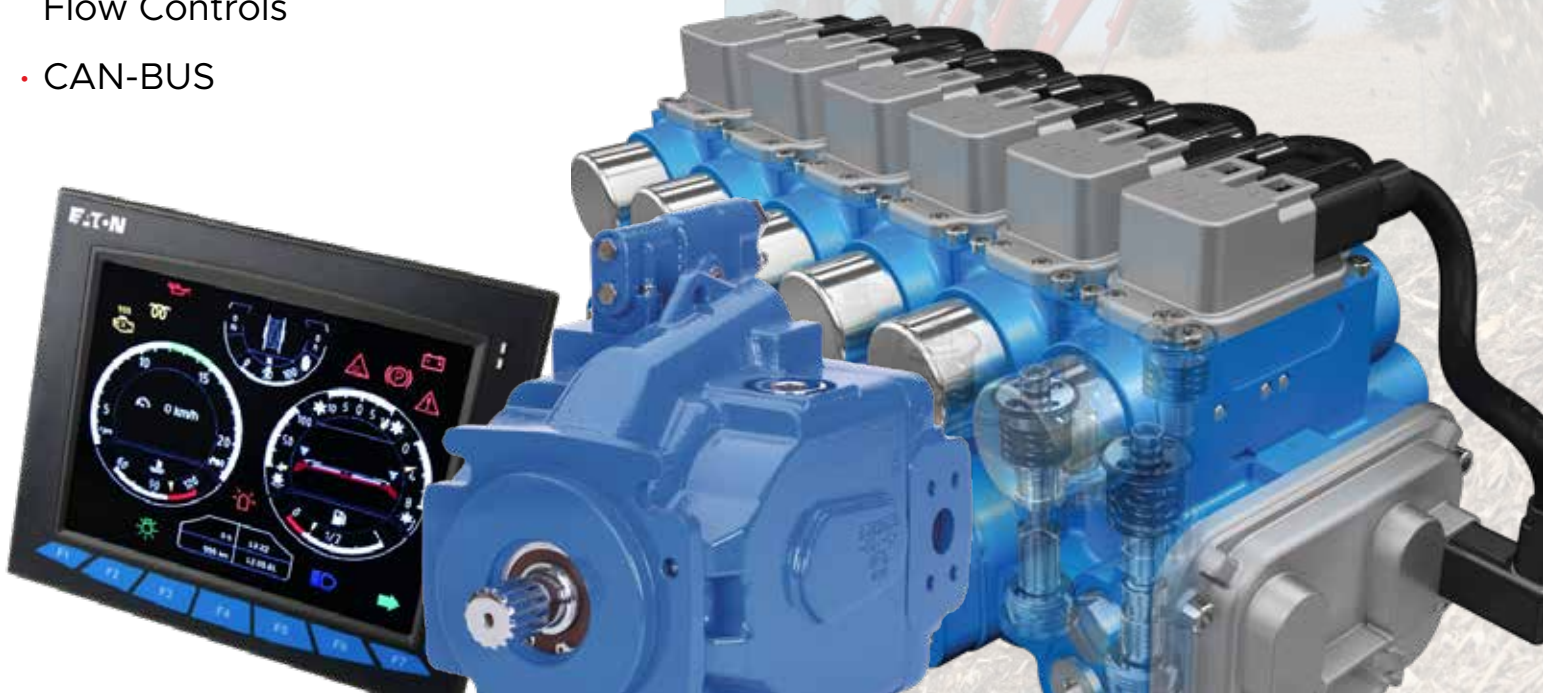
MOBILE HYDRAULICS

JWF Technologies focuses on the design of complete hydraulic systems for the mobile industry. Our experience in the Agricultural, Forestry, Material Handling and Utility markets has allowed us to become not only a full system supplier, but a sustaining resource for all of your design and service needs.

We proudly team up with our suppliers to provide the highest quality of service beginning with the design and prototyping stage through the production process and beyond.

WE CAN HELP YOU WITH...

- Open & Closed Loop Systems
- Custom Cylinder Designs
- Integrated Valve Manifolds
- Joysticks and Electronic Controls
- Cartridge Valves, Proportional Valves & Motorized Flow Controls
- CAN-BUS



MEDICAL EQUIPMENT

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, surgery 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.

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 | Monoblock | Line Mount | Integrated Packages

Heat Exchangers Hydraulic Driven | Electric Driven | Air Driven | Shell & Tube | Plate & Frame

Cylinders JWF Custom | NFPA | Welded | Pneumatic | Hydraulic NFPA

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



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