



# *Products & Capabilities*

LEADING PROVIDER OF MOBILE  
& INDUSTRIAL HYDRAULICS SOLUTIONS

**FSC**  
Fluid System Components.

# Your Preferred System Solution Provider in the Midwest

FSC is the industry-leading provider of fluid power and control solutions, revolutionizing operations across diverse industries.

Industry leaders' partner with FSC when they aspire to elevate their operations and achieve excellence in fluid power and control systems. Our unmatched expertise and experience spanning over 50 years ensure that we deliver solutions that exceed expectations. We take a proactive approach to innovation, continually expanding our product lines and services to meet the evolving needs of our clients. Our trusted partnerships with top manufacturers enable us to provide the best-fit solutions for every application.



## Product Categories

### Hydraulics

#### Accumulators

Bosch-Rexroth  
Hydac

#### Check Valves, Flow Controls, Ball Valves, etc.

Bosch-Rexroth  
DMIC  
Hydac  
HydraForce  
Rego

#### Cylinders

Aventics  
Bosch-Rexroth  
Ortman  
Sheffer Cylinders

#### Directional Valves

Bosch-Rexroth  
Hydac  
HydraForce

#### Filters & Strainers

Flow-Ezy  
Hydac  
LDI Industries (Vescor)  
MP Filtri  
Todd Technologies

#### Heat Exchangers

AKG  
Hydac  
Thermal Transfer Products

#### Manifolds

Bosch-Rexroth  
FSC, Inc.  
Hydac  
HydraForce  
JEM Technical  
M&W Manufacturing

#### Motors & Gearboxes

Auburn Gear  
Bonfiglioli USA  
Bosch-Rexroth  
Rineer  
White Drive Products

### Power Units

Bosch-Rexroth  
FSC, Inc.  
Hydac

### Pressure Control Valves

Bosch-Rexroth  
Hydac  
HydraForce

### Proportional & Servo Valves

Bosch-Rexroth  
Hydac  
HydraForce

### Pumps

Bosch-Rexroth  
Commercial  
Marzocchi

### Reservoirs & Accessories

FSC, Inc.  
Flow-Ezy  
Hydac  
LDI Industries (Vescor)  
Magnum

### Mobile Applications

#### Cartridge Valves/ Manifolds

Bosch-Rexroth  
FSC, Inc.  
Hydac  
HydraForce  
Oil Controls

### Electronic Controls

Bosch-Rexroth  
Certified Power Solutions  
FSC, Inc.  
Hydac  
HydraForce  
PQ Controls

### Hydraulic Motors

Bosch-Rexroth  
Commercial  
Rineer  
White Drive Products

### Pumps

Bosch-Rexroth  
Commercial

### Valves

Bosch-Rexroth  
Gresen  
Hydac  
HydraForce

### Pneumatics

#### Air Motors, Compressors, Vacuum Pumps

Gast Manufacturing

#### Accessories, Mufflers

Allied Witan  
Fabco-Air  
Gast Manufacturing  
Versa

#### Cylinders

Aventics  
Fabco-Air  
Flair-Line  
Humphrey  
Koganei  
Sheffer Cylinders

#### Filters, Regulators, Lubricators

Aventics  
Fabco-Air

#### Valves

Aventics  
Fabco-Air  
Humphrey  
Koganei  
Legris  
Parker/Telepneumatic  
Rego  
Versa

### System Accessories

Electric Motors  
Elektrim/Toolmex

### Electronic Controls

Bosch-Rexroth  
Certified Power Solutions  
FSC, Inc.  
Hydac  
HydraForce  
PQ Controls

### Gages & Meters

Hedland  
Hydac  
Lake Monitors  
Webtec  
Wika

### Lubrication Systems

FSC, Inc.

### Motion Control/Robotics

Bosch-Rexroth  
Enidine  
Fabco-Air  
Humphrey

### Pipe & Tube Supports

Hydac

### Rod Alignment Couplers

Humphrey  
Sheffer Cylinders

### Shock Absorbers/ Vibration Control

Enidine

### Connections & Accessories

#### Fittings/Tubing for Air, Water & Other Media

Colder Products  
Freelin-Wade  
Legris  
Nycoil

#### Flanges

Anchor Flange  
Main Manufacturing

### Hose & Hose Assemblies

Flextral (Bridgestone)

### Test Connections

Hydac



# Our Partners

Our partnerships with leading manufacturers are key to our success. They enable us to offer a diverse range of high-quality products and provide the best-fit solutions for every application.



## A

### AKG Thermal Systems

Mobile and industrial oil coolers

### Allied Witan

Air mufflers and silencers

### Anchor Flange

SAE hydraulic flanges to 6,000 psi for tube and pipe connections

### Auburn Gear

Gear products including planetary gear drive systems

### Aventics (formerly Bosch-Rexroth Pneumatics)

Full-line F-R-L's, air valves and cylinders

## B

### Bonfiglioli USA

Gearmotors, drive systems and planetary gearboxes

### Bosch-Rexroth Industrial

Complete line of hydraulic pumps, valves, motors, electronics, drive and control systems

### Bosch-Rexroth Mobile

Hydraulic pumps, motors, valves, cartridge valves, electronics, hydrostatic drives for mobile applications

### Bosch-Rexroth Pneumatics

See Aventics

## C

### Certified Power Solutions

Electronic controls and systems for mobile applications

### Colder Products

Quick couplings and fittings for plastic tubing, food and medical applications

## E

### Elektrim/Toolmex

AC NEMA and Metric IEC electric motors up to 6300 HP

### Enidine

Industrial shock absorbers, rate controls, vibration isolation devices, air springs

## F

### Flextral

Hydraulic and Industrial hose and fittings, hose assemblies, quick disconnects and adapters for all applications

### FSC, Inc.

Custom hydraulic power units, manifolds, pneumatic and electrical systems

### FSC Service and Repair

Complete field and shop service for all brands and models. Machine trouble-shooting. Field installations.

### Fabco-Air

Specialty air cylinders -Pancake® and Multi-Power® styles, valves, linear slides and grippers

### Flair-Line

Economical, repairable, round-design and NFPA air and hydraulic cylinders

### Flow-Ezy

Suction filters, strainers, tank accessories

### Freelin-Wade

Plastic tubing -polyurethane, polyethylene, PVC and nylon coiled tubing

## G

### Gast Mfg.

Compressors, vacuum pumps, air motors, blowers and accessories

### Gems Sensor

Pressure switches -hydraulic, pneumatic and vacuum, sensing devices

### Gresen

Hydraulic valves, gear pumps for mobile applications

## H

### Hedland

Flow meters -air, hydraulic, water

### Humphrey

Economical, specialized air cylinders, air valves, engineered pneumatic solutions

### Hydac

Hydraulic filters, specialized filter systems, tube and pipe clamps bladder, diaphragm and piston accumulators, valves, electronics, hydraulic power units, oil coolers, cartridge valves

### HydraForce

High performance cartridge valves and manifold systems, mobile electronics

## J

### JEM Technical

Custom hydraulic valve manifolds

## K

### Koganei

Pneumatic valves, cylinders, pneumatic systems and controls

## L

### Lake Monitors

Flow meters -air, hydraulic, water

### LDI Industries (Vescor)

Hydraulic reservoirs and accessories, pump-motor mounting adapters

### Legris

Pneumatic "Push-to-Connect" fittings, ball valves, pneumatic function fittings

## M

### M&W Manufacturing

Custom hydraulic manifolds, built to your exact specifications. Steel, aluminum and ductile iron

### Magnum

Magnetic filters and suction strainers

### Main Mfg.

Port flanges -SAE, socket-weld, pipe

### Marzocchi

External gear pumps and motors

### MP Filtri

Hydraulic filtration, power transmission, contamination monitoring, mobile filtration, tank accessories

## N

### Nycoil

Coiled pneumatic tubing, blow guns and accessories

## P

### P-Q Controls

Electronic joystick and foot controllers, level sensors, control systems

### Parker Commercial

Gear-type hydraulic pumps and motors, flow dividers

### Parker/Telepneumatic

Pneumatic logic and power valves, control panels

## R

### Rego/Cryoflow

Flow control, needle and check valves

### Rineer Hydraulics

Hydraulic vane motors, 6-125 cu. in. displacements, torques to 6800 lb.-ft.

## S

### Sheffer Cylinders

Hydraulic, pneumatic, electronic positioning cylinders and custom cylinders.

## T

### Thermal Transfer Products

Oil coolers, mobile and industrial types -air, water or refrigeration cooled

### Todd Technologies

Hydraulic and lubrication filtration products

## V

### Versa

Full line of air valves -1/8" to 1-1/4", lockout valves, accessories

## W

### White Drive Products

Low-speed, high-torque hydraulic *motors -3.2 in.3 to 127 in.3, brakes and accessories*

### Webtec

Hydraulic measurement and control products

### Wika Instruments

Gauges, pressure switches, bi-metal thermometers, electronic transmitters and transducers

# What We Offer

FSC provides comprehensive hydraulic solutions for both mobile and industrial applications. Our services include design, manufacturing, and repair, along with a wide range of components such as manifolds, valves, and pumps.

## Mobile Hydraulics

- **Manifolds:** custom and pre-engineered options
- **Control Valves:** proportional and directional control valves
- **Pumps:** selection of gear, piston, and vane pumps
- **Motors:** robust and reliable hydraulic motors

## Industrial Hydraulics

- **Hydraulic Power Units:** industrial-grade units to suit your needs
- **Filtration Systems:** advanced filtration solutions
- **Pumps & Motors:** efficient, heavy-duty pumps and motors

## Hydraulic System Design

- **Design Expertise:** in-depth experience designing and engineering optimal systems across industries
- **Comprehensive Integration Services:** expert installation, commissioning, and ongoing maintenance

## Fabrication

- **Custom Fabrication Services:** covers a wide range of techniques including welding, machining, and assembly
- **Prototype Development:** enables you to visualize your ideas early in the development process

## Training

- **Hands-on Training Programs & Educational Resources:** programs to keep customer teams updated with the latest technologies

## Paint

- **Industrial Painting:** durable finishes for various applications
- **Custom Finishes:** tailored to meet specific performance and aesthetic requirements

## On-Site Service and Repair

- **Comprehensive Field Service:** diagnostics, maintenance, and emergency repairs
- **Preventative Maintenance:** scheduled maintenance programs designed to prevent downtime
- **Technical Training & Support:** comprehensive support and training for customers

## Vendor-Managed Inventory

- **Proactive Inventory Management:** programs to ensure clients have the necessary parts available, reducing the risk of operational delays

# Market Overview

## Industrial Hydraulics Market

The industrial hydraulics market is driven by the increasing automation of manufacturing, the expansion of heavy industrial operations, and a persistent focus on improving efficiency and productivity.

### KEY APPLICATIONS

- Manufacturing
- Heavy Machinery
- Material Handling
- Steel Production
- Power Generation

### TRENDS

- Adoption of advanced filtration systems for better fluid cleanliness and system longevity
- Implementation of predictive maintenance through advanced sensors and analytics

## Mobile Hydraulics Market

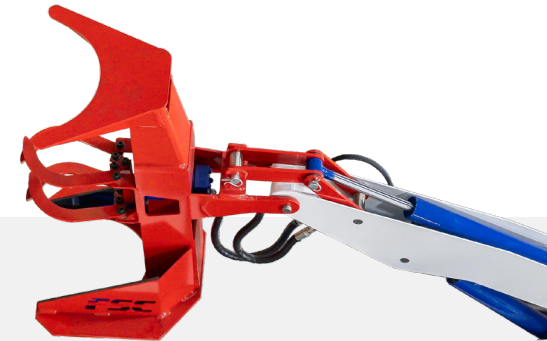
The mobile hydraulics market is driven by a surge in construction projects, a rising need for efficient agricultural equipment, and continuous advancements in hydraulic component technology.

### KEY APPLICATIONS

- Construction
- Agricultural Machinery
- Material Handling
- Forestry
- Government & Emergency Vehicles

### TRENDS

- Integration of IoT and telematics for remote monitoring & diagnostics
- Development of energy-efficient and eco-friendly hydraulic systems







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